The brightly wondrous story of flask

A robotic novel by Novelopment 1.0

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Introduction

While you may have been enticed to grab this book because of its title "The brightly wondrous story of flask", this is actually the story of 820 developers coming together to build flask in 3422 commits.

Humble beginnings

On April the 6th 2010 the novel started whilst first time contributor Armin Ronacher crafted a huge commit with the message "Initial checkin of stuff that exists so far.", a commit called "Added setup.py and README", a huge commit with the message "Started working on documentation." and a tiny commit called "Added a README file for MiniTwit.".

Two is a crowd

Finally, first time contributor Armin Ronacher joined aforementioned Armin Ronacher whilst Armin Ronacher authored a commit claiming to "Improved documentation, added a contextmanager for request binding" on April 8th 2010. On April 9th 2010 they themselves added a commit claiming to "Updated documentation. Starting to look pretty good" whilst Armin Ronacher authored a commit claiming to "Heavily improved quickstart section.", a commit described as "Added installation docs", a commit called "And finished documentation for most parts.", a commit with the message "Flashing -> patterns documentation" and a commit described as "Documented non-decorator uses of registation.". Roundabout 1 day later on Saturday, April 10th 2010 Armin Ronacher added a huge commit described as "Added docs, fixed some bugs I introduced last commit", a tiny commit called "Updated README", a tiny commit described as "Fixed a typo" and a tiny commit claiming to "set secret key :)". The very same one wrote a huge commit claiming to "Heavily improved documentation", a tiny commit described as "Fixed a doc display bug and setup.py workaround for dev version.", a tiny commit claiming to "Fixed a bug in setup.py", a tiny commit claiming to "further improved documentation", a commit with the message "Described HTTP methods", a tiny commit described as "might -> must", a tiny commit claiming to "Linked HTTP", a commit claiming to "Added a security section to the foreword and a footnote to the g", a tiny commit with the message "Footnotes are 100% in width", a tiny commit described as "Another doc improvement", a tiny commit claiming to "Linked escape", a commit with the message "Removed the useless apishowcase example", a commit called "Added tests for minitwit. Testing with Flask is awesome", a tiny commit with the message "No need for the closing import" and a commit called "Added testing documentation" on April the 11th 2010. Armin Ronacher wrote a commit claiming to "Doc updates and typo fixes" when first time contributor moraes composed a tiny commit described as "Fixed couple of errors in docs." on Monday, April 12th 2010. Meanwhile, first time contributor Justin Quick created a commit called "added in example tornado and gevent usage for flask integration" when Armin Ronacher composed a commit claiming to "Fixed a documentation error and implemented template context processors.", a commit called "Added

some basic tests for flask itself" and a tiny commit described as "Testing URL generation". Armin Ronacher added a tiny commit called "Flask can depend on Jinja2 and Werkzeug now that they are relased." and a tiny commit with the message "Improved Flask README regarding Jinja2 and Werkzeug" on Tuesday, April 13th 2010. On April the 14th 2010 the very same one created a tiny commit called "Fixed the mod_wsgi docs. Thanks Graham", a commit claiming to "Added more Flask tests", a tiny commit claiming to "Static files are active in the WSGI app now, not just the server.", a tiny commit claiming to "Flask now runs without the presence of pkg_resources as well.", a commit with the message "Added mini blogging application as Flask example.", a tiny commit described as "Removed useless imports and added README", a tiny commit claiming to "Can't believe I forgot that future import." and a tiny commit described as "Fixed a typo". On April 15th 2010 Armin Ronacher composed a commit described as "First part of the tutorial. Many explanations missing but it's a start.". They created a commit with the message "Beefed up the tutorial", a tiny commit claiming to "Added screenshot of the debugger to Flask docs. Flask now runs from the", a tiny commit with the message "Preserve the request context in debug mode.", a commit claiming to "request_init -> before_request and request_shutdown -> after_request", a commit with the message "Restructured documentation a bit.", a tiny commit claiming to "Recentered README", a tiny commit with the message "Added note about decorators to becomingbig.", a tiny commit claiming to "Fixed wording for circular imports", a tiny commit called "More typo fixes", a tiny commit described as "More typo fixes", a tiny commit claiming to "added coming soon to parts of the docs, linked scoped_session", a tiny commit called "fixed headers", a commit called "Added license file", a commit described as "Added website sources", a tiny commit described as "-x on files", a commit called "Beefed up setup.py", a tiny commit with the message "ignore dist folder", a tiny commit called "head is 0.2-dev" and a tiny commit claiming to "Fixed capitalization on website" on Friday, April 16th 2010. Armin Ronacher wrote a commit called "Session falls back to a dummy object now if secret_key is missing.", a commit claiming to "Reordered deployment docs", a tiny commit claiming to "Added makefile target for website and doc updating.", a tiny commit with the message "removed refactoring leftover", a tiny commit claiming to "Synched tagline :)" and a commit claiming to "Larger fonts in the docs" on April 17th 2010. Roundabout 1 day down the line they wrote a commit with the message "Updated website", a tiny commit

called "Fixed title.", a gigantic commit called "New style for the documentation. Looks more like the website now.", a tiny commit claiming to "Less flashy color for highlights.", a tiny commit called "Normalized line heights.", a tiny commit described as "dirhtml > html for websites", a huge commit claiming to "Breaking docs up into smaller pieces", a tiny commit called "Fixed homepage links", a tiny commit claiming to "removed unused import", a tiny commit claiming to "Fixed a font name.", a commit described as "Added support for macro pulling and documented certain design decisions.", a tiny commit claiming to "Removed useless code", a tiny commit called "updated README", a commit described as "Updated SQLAlchemy docs.", a tiny commit called "Added troubleshooting section to the tutorial", a tiny commit claiming to "No sudo for windows users.", a tiny commit claiming to "Removed two unused imports." and a tiny commit with the message "Removed unused stuff from minitwit and fixed a bug." on April the 18th 2010. Around 1 day later Armin Ronacher authored a commit with the message "Added WTForms documentation.", a tiny commit with the message "Added links for SQLAlchemy and WTForms.", a tiny commit with the message "Fixed indentation of an example.", a tiny commit described as "Forgot to link the website.", a tiny commit called "Corrected order of the tutorial", a tiny commit claiming to "ScriptName -> ScriptAlias", a huge commit called "Break up deployment docs into separate documents.", a commit called "Added JSON Support and started working on jQuery docs", a commit claiming to "Finished jQuery example documentation.", a tiny commit with the message "With -> with in headline", a commit called "Added instructions about how to run the latest development version.", a tiny commit described as "Leaving -> living ....", a tiny commit described as "Fixed a security problem caused by changed simplejson semantics." and a tiny commit with the message "Removed possible bashism. source -> ." on April 19th 2010. On April the 20th 2010 first time contributor unknown created a commit claiming to "Make it easier to associate a rule, endpoint and view_function" while first time contributor cgrinds composed a tiny commit called "Refactored the @route decorator to use the new add_url_rule method.". Armin Ronacher added a commit called "Documented some routing converter possibilities." and a tiny commit claiming to "Only escape backslashes if they follow "<" in JSON dumping for" on April 19th 2010. On Tuesday, April 20th 2010 the very same one wrote a tiny commit called "Fixed typo in form docs" and a tiny commit described as "POST -> post in HTML". First time contributor Chris Edgemon created a commit

described as "Proofreading the documentation" on April the 19th 2010. On April 20th 2010 Armin Ronacher authored a tiny commit claiming to "The testsuite skips JSON tests now is not available and runs the example", a tiny commit claiming to "Fixed WTForms example.", a commit with the message "Some more documentation updates.", a commit called "Fixed typo and added AUTHORS file and license text to docs.", a tiny commit claiming to "Changed link to license." and a tiny commit described as "Fixed XSS problem by escaping all slashes in JSON." whilst first time contributor florentx crafted a tiny defect fixing commit claiming to "Fix typos and remove unused import.", a tiny commit described as "Slightly faster _tojson_filter." and a tiny commit claiming to "Typo in README". Concurrently, they themselves crafted a tiny commit claiming to "Tiny refactoring", a commit with the message "Make the example tests pass on Windows.", a tiny commit described as "Added missing os import.", a commit claiming to "Added changelog, restructured docs a bit.", a tiny commit with the message "flask uses 127.0.0.1 as host by default now. stupid chrome." and a tiny commit with the message "Documented hostname change.". On April 21st 2010 cgrinds crafted a commit claiming to "Merge more upstream changes". On April 20th 2010 florentx added a tiny defect fixing reverting commit called "Fix a doc oversight, and revert 5876a8fd.". Roughly 1 day down the line they added a tiny commit with the message "Use a tuple to store _flashes, and simplify the flask.Request class.", a tiny commit described as "Use setdefault() because it sets session.modified correctly.", a tiny defect fixing revert-commit described as "Fix a doc oversight, and revert 5876a8fd.", a tiny commit described as "Use a tuple to store _flashes, and simplify the flask.Request class." and a tiny commit with the message "Use setdefault() because it sets session.modified correctly." when Armin Ronacher wrote a tiny commit called "Added florentx to the AUTHORS file", a commit claiming to "Removed website from main branch. Makes no sense to be there", a tiny commit with the message "Add leftovers from website branch to gitignore", a tiny commit called "Better English." and a tiny commit with the message "Added mailinglist link to the README" on Wednesday, April 21st 2010. About 2 days down the line Armin Ronacher added a tiny commit with the message "Corrected validator usage in the wtforms docs.", a commit with the message "Another try for #12", a tiny commit with the message "Warn on None responses.", a commit described as "extended URL generation", a commit called "Basic module support is working, but does not look very nice.", a commit claiming to "Added request/response processing

based on modules." and a tiny commit with the message "Removed unused package_name attribute" on April 23rd 2010. The very same one created a commit called "Modules are now instanciated with the package name.", a commit claiming to "Documentation update for the flask module support.", a commit with the message "Updated docs for external server information.", a commit with the message "More documentation updates :)" and a tiny commit described as "Added pattern for file uploads." on April the 24th 2010. Roundabout 1 day later on April 25th 2010 Armin Ronacher added a commit called "Added missing file (fileupload docs)" and a commit with the message "Added missing file (fileupload docs)" while first time contributor Sebastien Estienne added a commit called "add a decorator to add custom template filter", a tiny commit claiming to "the template_filter now expects the parentheses" and a tiny commit claiming to "add tests for template_filter using a real template". Concurrently, they added a commit with the message "Beefed up PDF docs. They actually look like something now.", a tiny commit with the message "Updated Makefile to also upload and build pdf docs.", a tiny commit claiming to "Fixed at least one build warning by renaming files.", a tiny commit claiming to "License after API docs" and a commit called "Added docs on caching and decorators.". Unknown authored a tiny commit claiming to "Fixed simple typo" on April the 26th 2010. Roughly 1 day down the road on April 27th 2010 Armin Ronacher composed a commit with the message "Added support for long running sessions. This closes #16.". Roundabout 5 days down the road they themselves wrote a tiny commit with the message "Fixed typo in flask quickstart docs. This fixes #21", a tiny commit with the message "Docs mention query args now. This fixes #20", a tiny commit called "Fixed typo in tutorial. This fixes #19", a tiny commit with the message "Added example for context bound objects to the testing docs. This fixes #18", a commit claiming to "Added @templated decorator to the patterns.", a tiny commit called "Added module support to templated decorator." and a tiny commit with the message "Added _external support to url_for" on Sunday, May 2nd 2010. Exactly 1 day later on Monday, May 3rd 2010 Armin Ronacher created a tiny commit with the message "Added link to snippets website to the patterns docs.", a tiny commit claiming to "None responses fail properly now. This fixes #24", a tiny commit described as "Removed useless import and adapted tests" and a tiny commit called "Use unicode in SQLAlchemy pattern.". About 1 day down the road on May the 4th 2010 florentx added a tiny bug removing commit with the message "Fix typo, remove useless import, limit lines to 79 columns."

when Armin Ronacher authored a commit claiming to "Added OpenID example", a tiny commit with the message "Fixed late binding of url_prefix. This fixes #29.", a tiny commit claiming to "Fixed URL examples. This fixes #30.", a commit described as "Added missing decorators for module wide context processors." and a tiny commit described as "Documented module changes in CHANGES". Armin Ronacher authored a commit with the message "Removed OpenID example, that's now in flaskext.openid anyways." on May 6th 2010. Roundabout 1 day later on May 7th 2010 they themselves wrote a commit described as "Removed theme, this is now refactored to an external reusable theme." and a tiny commit with the message "added theme submodule". On May the 10th 2010 Armin Ronacher authored a commit described as "Added support for send_file" and a tiny commit claiming to "Explicitly set the pygments style for the PDF". They created a tiny commit claiming to "Added note on send_file security.", a commit called "Added logo with new slogan", a tiny commit called "Updated README as well.", a tiny commit with the message "HEAD is 0.5-dev", a tiny commit called "Updated logo in the PDF docs" and a tiny commit called "Fixed typo" whilst first time contributor Ron DuPlain added a commit described as "Fixed some minor typos throughout docs." on May 12th 2010. Roughly 1 day down the line on May 13th 2010 first time contributor Zhao Xiaohong wrote a tiny bug fixing commit claiming to "Fix typo." and a tiny bug removing commit claiming to "Fix typo.". Armin Ronacher composed a commit described as "Added support for flashing categories.", a commit claiming to "Fixed a doc bug and added distribtue docs.", a tiny commit described as "s/will//", a tiny commit claiming to "Added MANIFEST.in. This fixes #39", a tiny commit described as "Added links to downloadable docs in the docs", a commit described as "Added logging support.", a commit described as "Added a documentation chapter about logging", a commit claiming to "Added a pattern for custom error pages." and a tiny commit with the message "Fixed a doc config error" on Monday, May 17th 2010. Exactly 1 day down the line on May the 18th 2010 they authored a tiny commit with the message "Changed target audience section", a tiny commit with the message "Fixed a testcase", a commit claiming to "Started working on config support" and a commit claiming to "Improved configuration support." whilst first time contributor Stephane Wirtel crafted a tiny fix commit claiming to "Fix typo.". Meanwhile, Armin Ronacher wrote a tiny commit with the message "Fixed some documentation issues. This fixes #41.". First time contributor Kenneth Reitz crafted a tiny commit

called "Added documentation for Gunicorn" on May the 19th 2010. On Monday, May 24th 2010 Armin Ronacher composed a commit claiming to "Beefed up latex output. Unfortunately parts look ugly.", a commit with the message "Added part style", a commit called "Added troubleshooting infos. This fixes #44", a commit claiming to "Documented redirect behaviour. Fixes #42" and a commit claiming to "Added interactive Python docs, fixed part style.". On May the 25th 2010 the very same one composed a tiny commit described as "Fixed docstring. This fixes #45" whilst first time contributor Marian Sigler crafted a tiny bug removal commit called "Fix typo in docs." and a tiny commit called "quickstart docs: Use a real value for secret_key to better illustrate how a secret key should look.". Around 1 day later Armin Ronacher wrote a commit claiming to "Added lazyloading pattern and explicit chapter links in tutorial.", a tiny commit described as "Document ways to generate secret keys. This fixes #47." and a tiny commit with the message "Added versionadded for logger" on May 26th 2010. On May the 27th 2010 the very same one crafted a tiny commit described as "Fixed a build error and added a touch icon" and a tiny commit claiming to "Fixed stuff I broke". On May the 18th 2010 Armin Ronacher created a commit with the message "Started working on config support" and a commit claiming to "Improved configuration support.". More than 1 week down the line on May the 27th 2010 they added a commit with the message "Use uppercase for config and support any object.", a tiny commit claiming to "appengine -> app engine", a commit described as "Added chapter about config", a commit described as "Added appfactory pattern" and a commit claiming to "Ported examples over to new config. documented upgrading". Armin Ronacher created a commit with the message "0.5 is 0.3 now, why skip numbers?", a tiny commit with the message "HEAD is 0.4dev", a tiny commit claiming to "update setup.py", a tiny commit described as "Added missing changelog entry", a tiny commit called "Fixed an error reporting bug with flask.Config.from_envvar", a tiny commit described as "Removed some unused code", a tiny commit described as "Added missing message" and a tiny commit with the message "Fixed build process" on May 28th 2010. Exactly 2 days down the line on Sunday, May 30th 2010 first time contributor Georg Brandl added a tiny bug removing commit described as "Fix some typos." and a commit called "More typo fixes.". On May 31st 2010 first time contributor Simon Sapin added a commit called "Add Module.app_errorhandler, like Flask.errorhandler." while Armin Ronacher created a tiny commit called "Updated AUTHORS file and

added missing versionadded", a tiny commit described as "Documented _request_ctx_stack. This fixes #57", a tiny commit with the message "use setup.py test. This fixes #56" and a commit claiming to "Added document about extension development". Roughly 2 days down the road on Wednesday, June 2nd 2010 first time contributor Dag Odenhall created a tiny defect fixing commit called "Fix missing plural in documentation" when Armin Ronacher crafted a commit claiming to "Invoke after_request on exceptions as well. This fixes #59" and a tiny commit called "Documented changes in after_request handlers.". On Thursday, June 3rd 2010 Armin Ronacher created a commit with the message "Added support for deferred context cleanup. test_client users can now access the context locals after the actual request if the client is used with a with-block. This fixes #59.", a commit described as "Fixed after_request handlers being called twice in some cases and improved logging system" and a tiny commit described as "Added message that setup.py develop is required to build the docs". Roughly 2 days later on June 5th 2010 Dag Odenhall created a tiny commit described as "Fixing typo in error handling documentation (s/changes are/chances are/)", a tiny commit described as "Typo in docs for Flask.handle_exception", a tiny bug fixing commit with the message "Fix in docs for handle_exception: "A" before nouns pronounced with an initial consonant sound", a tiny commit described as "Fixing another article error, in handle_http_exception.", a tiny commit with the message "Typo in jQuery pattern docs" and a tiny commit described as "Another typo in jQuery pattern". On June 4th 2010 first time contributor Merlin added a tiny commit with the message "Enhanced the nginx deployment subsection of the documentation with working examples.". On Saturday, June 5th 2010 Armin Ronacher authored a tiny revert-commit described as "Revert that change, an HTTP is correct from what I know." while Simon Sapin wrote a tiny commit described as "Typo in extension development docs.". Dag Odenhall authored a bug fixing commit claiming to "Fix inconsistent capitalisation and punctuation in attribute docstrings" and a tiny commit described as "Misleading templates path example in docs for open_resource" on Sunday, June 6th 2010. On June 7th 2010 Armin Ronacher added a tiny commit described as "Added TESTING flag. This fixes #58.", a commit called "Added an HTML FAQ document, first draft.", a tiny commit with the message "Fixed tabularcolumns", a commit called "Applied leafstorm's html5faq patch", a tiny commit with the message "Fixed an rst error" and a tiny commit claiming to "Fixed link for good" when Simon Sapin authored a tiny

defect fixing commit with the message "Typo fix. That is what was meant, right?". Simultaneously, florentx added a tiny commit described as "Typos" when Armin Ronacher created a tiny commit claiming to "into -> Into" and a tiny commit called "added images". On June 10th 2010 first time contributor jgraeme authored a tiny defect fixing commit called "Fix some typos in the docs" while Armin Ronacher authored a commit called "Added security document" and a tiny commit with the message "Fixed a broken sentence". Around 1 day later Armin Ronacher composed a tiny commit described as "Alcoholified placeholders" on June the 11th 2010. Exactly 3 days later on June 14th 2010 they themselves wrote a tiny commit described as "Fixed a broken example". On June 15th 2010 first time contributor Andre Wobst created a tiny commit claiming to "typo". On Thursday, June 17th 2010 Armin Ronacher created a commit described as "Added unicode chapter to the docs. This fixes #67". On June the 18th 2010 Simon Sapin authored a tiny fix commit with the message "Typo fix." whilst florentx added a tiny commit called "Typo.". Meanwhile, Armin Ronacher created a tiny commit called "Use a custom logger subclass that uses DEBUG level if in debug mode", a tiny commit claiming to "Updated design decisions. This fixes #63", a tiny commit described as "This will become 0.4", a tiny commit called "Fixed a MANIFEST issue" and a tiny commit described as "HEAD is 0.5-dev". On June the 19th 2010 they added a commit claiming to "Updated license, relicensed logo under debian-ish license" and a commit claiming to "Added upgrading notes". On Tuesday, June 22nd 2010 Armin Ronacher crafted a tiny commit with the message "Workaround for zip setups for appengine.". First time contributor Matt Campbell wrote a tiny commit with the message "docs/index.rst: Make alt text more informative.", a tiny commit called "Copy edited the front page of the documentation.", a commit called "Copy edited and partially rewrote the foreword." and a commit claiming to "Edited the installation guide." when Armin Ronacher added a tiny commit called "Added Matt Campell" on Saturday, June 26th 2010. Concurrently, they crafted a tiny commit with the message "Track the docs/_themes directory". First time contributor Christopher Grebs wrote a commit with the message "Added MongoKit pattern and fixed typo in sqlalchemy pattern", a tiny bug removing commit described as "now really pushed the fix in sqlalchemy pattern" and a tiny commit with the message "fixed mongokit pattern to show how the flask way to configure hostname and port" on Sunday, June 27th 2010. First time contributor Adam Zapletal added a commit described as "Minor tutorial

documentation fixes (grammar, etc)", a tiny commit described as "Minor testing documentation fixes (grammar, etc)", a commit called "Error Handling documentation fixes (grammar, etc)", a tiny commit claiming to "Minor config documentation fixes (grammar, etc)" and a tiny commit with the message "Minor sqlite3 documentation fixes (grammar, etc)" whilst Armin Ronacher composed a tiny commit claiming to "Added Adam Zapletal and Christopher Grebs to AUTHORs file." on June the 28th 2010. Armin Ronacher authored a commit with the message "Added proper subdomain support", a tiny commit described as "Documented missing attributes. This fixes #71", a tiny commit claiming to "Added another testcase for subdomain support", a tiny commit with the message "improved _request_ctx_stack docs" and a tiny commit described as "Fixed an rst syntax error" on June the 29th 2010. About 1 day later on June 30th 2010 they composed a tiny commit called "Mention virtualenv in mod_wsgi deployment docs". Roundabout 1 day down the road Armin Ronacher crafted a tiny commit claiming to "Fixed a broken example in the docs", a tiny commit claiming to "Added links to Flask-WTF and Flask-SQLAlchemy. This fixes #73", a tiny commit described as "Added a section about unicode and editors. This fixes #74" and a commit called "Explained Flask constructor better. This fixes #70" on July the 1st 2010. Roughly 1 day down the road on Friday, July 2nd 2010 they themselves added a tiny commit described as "Documented exception catching behaviour. This fixes #75" when Justin Quick wrote a gigantic commit called "out with the old", a gigantic commit with the message "in with the new. i have the bits in places where i think they should be, now i just need to work on the import scheme layout", a commit with the message "working import layout for module" and a tiny commit described as "look for json module in the right place. all tests ". Concurrently, first time contributor Marcus Fredriksson crafted a tiny commit with the message "Typo". On July 4th 2010 Armin Ronacher created a commit with the message "Started working on refactoring Jinja integration", a commit with the message "Merged in changes from master by hand", a tiny bug fixing commit with the message "Ported a typo fix from master", a commit called "Added missing comments, fixed setup.py and made tests pass", a tiny commit claiming to "We should now have the same public API as before", a commit claiming to "Added support for conditional responses to send_file", a commit with the message "phased out shared data middleware in flask for send_file", a tiny commit described as "dropped pkg_resources", a commit called "Refactored static folder registration", a commit with the message

"Added support for loading templates from modules", a commit described as "Moved templating stuff into a separate module", a tiny commit with the message "More refactoring and moving stuff around", a commit claiming to "Added a testcase for the improved module support" and a tiny commit claiming to "Documented changes" while florentx added a tiny fix commit described as "Fix typos". Meanwhile, they themselves composed a tiny commit called "Restored 2.5 compatibility{", a tiny commit called "Small cleanups", a tiny commit described as "Documented the create_jinja_loader removal", a tiny commit called "Fixed JSON availability test. This fixes #77", a commit described as "Rewrote becoming big and foreword", a commit with the message "Switched to relative imports in the package", a tiny bug fixing commit claiming to "Restored 2.5 compatibility and actual fix for the json problem", a tiny commit with the message "Added more versionadded directives", a tiny commit claiming to "fixed possible security problem in module branch", a tiny commit with the message "Added a chapter for 0.5 in upgrading.rst" and a tiny commit with the message "Removed circular dependency by going over a proxy. This is the better solution anyway". Armin Ronacher composed a commit with the message "Re-added support for folder with static files, refactored static file sending", a tiny commit described as "Documented send_from_directory", a commit described as "Added separate module for testing", a tiny commit claiming to "Added a docstring", a commit claiming to "Added a separate logging module" and a tiny commit described as "More doc changes regarding foreword" on July 5th 2010. They themselves added a tiny commit called "Respect the domain for the session cookie. This fixes #79", a tiny commit described as "Documented change regarding the session cookie domain policy in the CHANGES", a commit called "Some documentation improvements", a commit described as "Added a chapter on configuration options", a commit with the message "Added chapter about fabric based deployments", a tiny commit described as "Fixed a typo", a tiny commit with the message "Preparing for release", a tiny commit with the message "HEAD is 0.6-dev", a tiny commit claiming to "Preparing for a 0.5.1 bugfix release", a tiny commit called "Updated changelog" and a commit described as "Fixed a template lookup error" on July 6th 2010. On July 7th 2010 florentx crafted a tiny commit with the message "Various typos.". On July the 6th 2010 Armin Ronacher wrote a tiny commit called "send_from_directory > SharedDataMiddleware". Roundabout 2 days down the line on July the 8th 2010 first time

contributor Thomas Schranz composed a tiny commit claiming to "added workaround for json on Google AppEngine". On July 7th 2010 Armin Ronacher authored a tiny commit with the message "added Thomas Schranz to AUTHORS". On Monday, July 12th 2010 they themselves crafted a commit with the message "Reverse order of execution of post-request handlers. This fixes #82", a commit claiming to "Added support for automagic OPTIONS" and a tiny commit with the message "tiny performance improvement". Armin Ronacher crafted a tiny commit with the message "Always register URL rules. This fixes #81", a commit described as "Config is now available in templates, context processors no longer override keys" and a tiny commit with the message "Emit correct date. In theory" on July the 13th 2010. Exactly 1 day later they added a tiny commit called "Documented cookie problem for #80" and a tiny commit called "Added MAX_CONTENT_LENGTH config key" on Wednesday, July 14th 2010. About 1 day down the line Armin Ronacher crafted a commit claiming to "endpoint is optional for modules. This fixes #86", a tiny commit claiming to "Documented change", a tiny commit claiming to "Documented MAX_CONTENT_LENGTH in the file upload docs and linked to Flask-Uploads", a tiny commit called "Added a note on references to static folders", a tiny commit claiming to "Clearified that", a commit described as "Added the pocoo styleguide to the documentation", a tiny commit described as "Fixed a template loading bug", a tiny commit with the message "Improved styleguide docs", a tiny commit described as "Changelog entry for 0.5.2" and a tiny commit called "Fixed an rst error" on July 15th 2010. Exactly 1 day down the line Ron DuPlain added a tiny commit with the message "Warn about SQL injection in the tutorial." while Armin Ronacher wrote a tiny commit with the message "Removed useless script reference. This fixes #87" on July the 16th 2010. Armin Ronacher created a commit claiming to "Added make_response", a tiny commit called "Fixed paren in docstring", a tiny commit called "Added missing template", a commit described as "Added support for signals", a commit with the message "Added signal documentation", a commit described as "Moved wsgi_app down to a more logical location", a tiny commit called "Added middlewares to quickstart. This fixes #88", a tiny commit claiming to "Added docs on use_evalex. This fixes #90", a tiny commit described as "Removed useless instanciation", a tiny commit with the message "Documented more changes", a tiny commit described as "Fixed a typo in quickstart", a tiny commit described as "Added fallback for docs", a tiny commit with the message "Fixed fallback", a tiny commit described

as "Fixed command", a tiny commit claiming to "Fixing submodules" and a tiny commit with the message "Fixed a typo in an example in the docs" on Saturday, July 17th 2010. Roundabout 1 day later on July the 18th 2010 they created a tiny commit described as "Added notes on 3.x", a commit described as "Added templating docs. This basically fixes #92", a tiny commit claiming to "Fixed two typos in the pattern documentation. Thanks Ricky de Laveaga", a tiny commit with the message "Added Session again to the public API because existing code might import it", a tiny commit described as "Added some whitespace", a commit with the message "Rewrote parts of the foreword and becoming big section", a tiny commit called "Added notes for Python 3", a tiny commit called "Changed extensiondev docs", a tiny commit with the message "Removed unused LICENSE file. The doc license is covered by the project's LICENSE file", a tiny commit called "Fixed a typo in the html faq", a tiny commit with the message "Expanded the security docs to mention unquoted attributes as dangerous" and a tiny commit claiming to "Interlinked design docs better". Roughly 2 days down the road Armin Ronacher authored a commit described as "Added notes on proxies", a tiny commit with the message "Added testcase for modified URL encodings", a tiny commit claiming to "Documented blinker 1.1 changes", a bug fixing commit called "Documented proxy fix" and a tiny commit called "Removed temp subscription contextmanager in blinker tests to support upcoming api improvements better" on Tuesday, July 20th 2010. On July the 23rd 2010 the very same one wrote a commit with the message "Added support for subdomain bound modules", a tiny commit called "Updatd an intersphinx link", a commit claiming to "Updated docs for extension approval process", a tiny commit called "Fixed wording", a commit described as "Added flaskext tester", a tiny commit claiming to "Added ali to authors", a tiny commit claiming to "Fixed a word in the docs" and a tiny commit called "good -> bad". Roundabout 2 days later on July 25th 2010 Armin Ronacher added a tiny commit claiming to "Approved extensions must not be GPL" while first time contributor Ali Afshar added a tiny commit called "Removed unused import". Meanwhile, they added a commit described as "Improved script for automatic extension testing", a tiny commit claiming to "Code cleanup", a tiny commit described as "Mentioned zip_safe", a commit claiming to "Reviewed all extensions and wrote down notes.", a tiny commit claiming to "Renamed rejected to unlisted", a commit claiming to "Fixed formatting", a tiny commit called "Consistency", a tiny commit called "Reviewed 0.9.1 :)", a tiny commit

with the message "Approved Flask-Creole", a tiny commit called "Removed Flask-Creole from the listed file, it's in approved already" and a tiny commit claiming to "Added a workaround for py.test". Armin Ronacher added a tiny commit described as "Improved extension test runner", a tiny commit claiming to "Added another workaround. the extension tester is now a pile of hacks", a tiny commit with the message "Small fixes in the extension tester", a tiny commit with the message "Approved Flask-Genshi", a tiny commit with the message "Forgot to unlist flask-genshi", a tiny commit described as "Added standard dep on py because some extensions might use py.test and the default available version is on the wrong python path", a commit with the message "Approved Flask-Script", a tiny commit with the message "Added another rule to the approval list. 2.5-2.7 compatibility", a tiny commit described as "Fixed typo" and a tiny commit claiming to "Approved Flask-CouchDB" on Monday, July 26th 2010. Roundabout 1 day later they themselves created a tiny commit claiming to "Added a tox-test command that runs Flask tests with tox", a commit claiming to "Approved WTF and Testing", a tiny commit described as "Picked codename for 0.6", a tiny commit called "HEAD is 0.7-dev", a commit described as "Approved Flask-Themes and Flask-Uploads" and a tiny commit claiming to "Added artwork to MANIFEST.in" on Tuesday, July 27th 2010. Roughly 1 day down the road on Wednesday, July 28th 2010 first time contributor Aku Kotkavuo authored a tiny commit described as "Made one sentence easier to parse in docs/foreword". First time contributor Ronny Pfannschmidt authored a tiny commit with the message "use custom tox file named tox-flask-test.ini, dont delete the real tox.ini" on Monday, July 26th 2010. On Wednesday, July 28th 2010 florentx added a tiny commit claiming to "Typos." when Armin Ronacher created a tiny commit called "Added the upcoming bugfix release to the mainbranches CHANGES", a commit with the message "Fixed an issue where the default `OPTIONS` response was" and a tiny commit claiming to "Fixed submodules. Once again -.-". Concurrently, Aku Kotkavuo composed a commit called "Proofread docs/quickstart" when Armin Ronacher authored a tiny commit described as "In 0.7, make_default_options_response is a public API". Armin Ronacher created a tiny commit called "Approved Flask-Mail" while first time contributor Stephane Wirtel created a tiny commit claiming to "Remove an unused function" on July the 29th 2010. On July the 30th 2010 they themselves authored a tiny commit described as "Improved error message for configuration files" and a tiny commit claiming to

"Approved Flask-XML-RPC". On August the 3rd 2010 jgraeme added a defect fixing commit called "Fix some typos in the docs" and a tiny bug fixing commit claiming to "Fix some typos in the docstrings". On August the 1st 2010 first time contributor Priit Laes crafted a commit claiming to "Added initial version of 'setup.py audit'". On August 3rd 2010 Armin Ronacher crafted a tiny commit with the message "Various pyflakes fixes" and a tiny commit with the message "Fixed a refacotring error in the docs. This fixes #100". On August the 7th 2010 they composed a commit described as "Request local objects now fail properly with a RuntimeError. This fixes #105", a commit called "Deprecated send_file etag support and mimetype guessing for file-like objects. This fixes #104", a tiny commit described as "Fixed a typo", a tiny bug removal commit called "Another typo fix" and a tiny commit called "Fixed a wrong import path in the documentation. Fixes #102". On August 9th 2010 Armin Ronacher crafted a tiny commit claiming to "normpath is now used before loading templates". Roundabout 1 day down the road on August the 10th 2010 they created a tiny commit with the message "Added another testcase" and a tiny commit claiming to "Added a missing is". On August the 13th 2010 Armin Ronacher composed a tiny commit described as "Improved the templated decorator in the documentation as recommended by Thadeus Burgess on the mailinglist". Zhao Xiaohong crafted a tiny commit called "Fixed template_rendered example in signal documentation." on August 15th 2010. Roundabout 3 days down the line Armin Ronacher created a tiny commit described as "Fixed testing example" and a tiny commit described as "s/sdist/dist/. This fixes #106" on August the 18th 2010. On Friday, August 20th 2010 first time contributor Heungsub Lee added a tiny bug removal commit claiming to "Fix the 108th issue." whilst Armin Ronacher created a tiny commit described as "Added testcase. This fixes #108" and a tiny commit claiming to "Added a changelog entry for #108". Exactly 3 weeks down the line on September 10th 2010 first time contributor agentultra crafted a tiny commit with the message "Updated documentation on packaging patterns" whilst Armin Ronacher wrote a tiny commit called "Fixed a typo in a docstring in app.py". Exactly 2 days later Armin Ronacher composed a tiny commit called "Added the extensions dictionary on the application" on Sunday, September 12th 2010. More than 3 weeks later Ron DuPlain composed a tiny commit called "docs: Finished sentence on Notes on Proxies.", a commit with the message "Fixed small typos in docs. Added a cross-ref." and a commit with the message "First pass to reword security doc for word flow." when

agentultra authored a tiny commit claiming to "Small change to the packages documentation example for clarity" on Wednesday, October 6th 2010. More than 1 week down the line on October the 19th 2010 Armin Ronacher added a tiny commit with the message "merged". First time contributor Jeff Weber composed a tiny commit described as "Updated from_pyfile so its dynamic module creation uses the imp module instead of type." on October the 18th 2010. Roundabout 3 days later first time contributor Pedro Algarvio crafted a tiny bug removal commit with the message "Fix for Flask's ticket 126. A proper environment is now built to use" on October 21st 2010. First time contributor Nick Walker composed a tiny commit called "clarified description of templates directory" on October 11th 2010. More than 1 week down the line first time contributor Pedro Algarvio authored a commit described as "Better handling for `test_request_context` don't just append the port." on October the 22nd 2010. Dag Odenhall created a tiny commit with the message "BaseConverter is in werkzeug.routing" on October 25th 2010. On October 29th 2010 first time contributor Daniel Haaker added a tiny commit described as "Add missing semicolon to test". They created a tiny commit called "Add missing period", a tiny commit claiming to "Correct capitalization SQLite", a tiny commit claiming to "Tricker -> trickier" and a tiny commit called "There is no database abstraction layer" on October the 28th 2010. First time contributor Francisco Souza composed a tiny commit called "Minor on docs (fixes #133)" on Sunday, October 31st 2010. First time contributor Daniel D. Beck added a tiny commit claiming to "Fixed: incorrect indentation level for session's permanent attribute" on October 30th 2010. Around 4 days down the line on November the 3rd 2010 first time contributor doobeh authored a tiny commit with the message "Typo.". Roughly 5 days down the road Georg Brandl composed a tiny commit claiming to "Hint for positioning file pointer correctly before calling send_file()." on November the 8th 2010. More than 1 week later Armin Ronacher authored a tiny commit described as "Fixed a documentation error. This fixes #143" on November the 19th 2010. First time contributor Jason Davies wrote a commit with the message "Minor spelling fixes" on November the 13th 2010. More than 2 weeks later on November 29th 2010 Armin Ronacher composed a commit called "Added a PROPAGATE_EXCEPTIONS flag". On Wednesday, December 1st 2010 they themselves added a tiny commit with the message "Updated examples to work with pypy which has a incomplete sqlite3 in 1.4. Also disable a euc-kr test that does not work on pypy".

Armin Ronacher crafted a tiny commit claiming to "Added the ability to override the test client's class. This fixes #148" on December the 6th 2010. Roundabout 1 day down the line they themselves wrote a tiny commit called "Whitespace nazi was here" on December the 7th 2010. More than 2 weeks down the road on December 23rd 2010 Armin Ronacher authored a tiny commit described as "Make sure that windows servers do not allow downloading arbitrary files", a tiny defect fixing commit called "Documented security fix in changelog" and a tiny commit called "Added testcase for an issue that may exist on windows". More than 1 week down the line on Friday, December 31st 2010 they created a tiny commit claiming to "Released 0.6.1". About 6 days later on Thursday, January 6th 2011 first time contributor Daniel Gerber authored a tiny bug removal commit described as "fix subdomain for static rule on registering module". Roundabout 1 week down the road Armin Ronacher wrote a tiny commit described as "Improved documentation for model registration" on Thursday, January 13th 2011. They composed a tiny commit claiming to "We do not support 2.4, not even with CGI :)" on Friday, January 14th 2011. On Sunday, January 16th 2011 first time contributor Ivo Danihelka created a tiny commit claiming to "Fixed 'schemal' doc typo." when Armin Ronacher added a tiny commit described as "Flask no longer internally depends on rules being added through the add_url_rule function". Dag Odenhall created a commit described as "Pattern documentation for favicons" and a tiny bug fixing commit called "Fix typo in send_file docs" on January the 12th 2011. The very same one composed a tiny commit claiming to "Typo in docs" on Monday, January 10th 2011. More than 1 week down the line on January 23rd 2011 first time contributor mvantellingen wrote a commit claiming to "Add unittests for the endpoint decorator" and a commit described as "Implement the endpoint decorator. This allows you to easily map views to endpoints when using the werkzeug routing.". Around 1 day down the line on Monday, January 24th 2011 Armin Ronacher created a tiny commit called "Added changelog entry and entry into authors file" and a tiny commit described as "No reference for favicon". More than 1 week down the line on February the 4th 2011 first time contributor fmw created a commit called "updated docs on FastCGI deployment with Lighty". On February 5th 2011 Armin Ronacher added a tiny commit with the message "Do not use Date, use Last-Modified. This fixes #164". Exactly 1 day down the road on February the 6th 2011 they crafted a tiny commit called "Fixed line numbers for flask pdf". Roundabout 4 days down the road on Thursday, February 10th 2011

Armin Ronacher crafted a tiny commit claiming to "Fixed a terrible wrong part in the module documentation". First time contributor Jerry Baker created a tiny commit with the message "Updated 'declarative' link in docs/patterns/sqlalchemy.rst" on Wednesday, November 3rd 2010. More than 13 weeks down the line on February the 6th 2011 first time contributor Sean Reifschneider composed a tiny commit called "Fixing a word usage issue in docs.". About 2 weeks down the line first time contributor Baiju M created a tiny commit described as "Link to issue tracker" on Sunday, February 20th 2011. On February 21st 2011 Armin Ronacher added a tiny commit with the message "added create_jinja_loader". More than 2 weeks down the road first time contributor matt swanson created a tiny commit with the message "fixing cross-reference links on API doc page", a tiny commit described as "fixing cross-referenced links on testing page", a tiny commit described as "fixing cross-referenced links on fileupload patterns page", a tiny commit with the message "fixing cross-referenced links on quickstart page" and a tiny commit called "fixing cross-referenced links on jquery patterns page" whilst first time contributor Sam Anderson composed a tiny commit described as "Fixed some small typos in the documentation." on March 13th 2011. Mvantellingen created a tiny commit claiming to "Open the session after the request context is pushed on the stack instead of in the constructor. This allows you to access the request context in a custom open_session method." on Friday, March 11th 2011. Around 3 days later first time contributor Aaron Kavlie composed a tiny commit claiming to "silent option added to 'from_pyfile' to mirror 'from_envvar'." and a tiny commit with the message "Test passes." whilst Armin Ronacher crafted a commit with the message "Started work on app dispatch docs", a tiny commit claiming to "Documented some changes in config handling." and a tiny commit with the message "Removed unnecessary import" on Monday, March 14th 2011. On Wednesday, March 9th 2011 first time contributor Drew Vogel added a tiny commit claiming to "Clarified language related to avoiding circular imports.". Exactly 5 days down the line on Monday, March 14th 2011 first time contributor Matt Chisholm composed a commit called "Add teardown_request decorator. Fixes issue #174". On March the 13th 2011 matt swanson wrote a commit with the message "fixing some wording issues on the testing page". Roughly 1 day down the line Armin Ronacher created a commit with the message "Implemented flask.has_request_context()" and a commit called "Updated appdispatch pattern" when first time contributor Matt Dawson created a commit

described as "Modify extensionsdev documentation." on March 14th 2011. At the same time, Aaron Kavlie added a tiny commit claiming to "Improved botched docstring wording for silent failure.". Armin Ronacher composed a tiny commit claiming to "Improved wording" and a tiny commit claiming to "Enable deprecation warnings" on March 15th 2011. Aaron Kavlie wrote a tiny commit claiming to "Improved botched docstring wording for silent failure." on March 14th 2011. Armin Ronacher crafted a tiny commit called "break line", a commit described as "deprecated init_jinja_globals", a tiny commit with the message "Lock loader creation" and a commit called "Added deprecation warnings for modules" on March 18th 2011. On March the 19th 2011 the very same one created a commit with the message "Started work on implementing blueprint based template loading". More than 4 weeks down the road on Sunday, April 17th 2011 Armin Ronacher added a tiny commit called "Fixed a typo". First time contributor Noufal Ibrahim wrote a tiny commit described as "Added a note on actually starting the application" on March 28th 2011. First time contributor Rémy Roy added a tiny commit described as "Updating documentation for app.after_request decorator." on Wednesday, March 30th 2011. Roundabout 1 day down the road first time contributor Kanak Kshetri created a tiny commit with the message "Fixed a typo that was preventing second code block from appearing in a code block" on March 31st 2011. On April 4th 2011 Simon Sapin added a commit claiming to "Add safe_join: returns the filename used by send_from_directory.". Roughly 2 weeks later Armin Ronacher added a tiny commit described as "Changelog entry" while first time contributor streety created a tiny commit with the message "Change to match headers in https://github.com/mitsuhiko/werkzeug/blob/master/werkzeug/contrib/fixers.py" on Monday, April 18th 2011. Simultaneously, they themselves authored a tiny commit claiming to "Whitespace normalization" and a tiny commit with the message "Switch params and example". Armin Ronacher wrote a tiny commit with the message "Better error messages" and a tiny commit called "Document that None skips in query strings. This fixes #224" on April 25th 2011. Aaron Kavlie authored a tiny commit with the message "A couple of corrections to the example fabfile." on April 27th 2011. Roundabout 4 days down the line Ron DuPlain wrote a tiny commit with the message "Remove ctx.bind() from doc. It doesn't exist." on Sunday, May 1st 2011. Around 1 week later Ronny Pfannschmidt wrote a tiny commit described as "the import order note was meant to be bold, not cursive" on May 8th 2011. Roundabout 4

days down the road on May 12th 2011 Ron DuPlain added a tiny commit with the message "Note to use debug=False for third-party debuggers.". About 5 days down the road first time contributor Sharoon Thomas crafted a tiny commit called "Prevent pop if flashes not in session to avoid modification to session fixes #227" on May 17th 2011. Roundabout 2 days down the road on May the 19th 2011 Ron DuPlain crafted a tiny commit with the message "Touch up docs according to user feedback.". On May the 18th 2011 first time contributor Steve Romanow composed a tiny commit with the message "respect request charset". On May 24th 2011 Armin Ronacher added a tiny commit called "Added testcase for json encoding parameter support", a tiny commit claiming to "Documented change", a tiny commit claiming to "Extend the logging from the dynamically set logger class. This fixes #234" and a tiny commit claiming to "Documented change in flashing". They themselves created a tiny commit with the message "Added a test for content length behavior", a huge commit described as "Started work on new request dispatching. Unittests not yet updated", a commit described as "Updated tests", a commit described as "Updated documentation to use teardown request where appropriate", a commit claiming to "More documentation updates" and a tiny commit described as "Updated examples" on Friday, May 27th 2011. Exactly 1 day later Armin Ronacher composed a commit with the message "Better reraising of exceptions" on May 28th 2011. Roundabout 1 day later on May the 29th 2011 they themselves crafted a huge commit with the message "Latest iteration of the blueprint code. Far from being done", a commit claiming to "Register most stuff only once", a commit described as "Started work on URL value preprocessors", a tiny commit with the message "URL building should work in theory" and a tiny commit described as "Fixed a bug, view_args not values". Around 1 day later on May 30th 2011 Simon Sapin composed a tiny commit claiming to "Don't fail for unicode filenames with send_file(add_etags=True)" and a tiny commit with the message "Clarify in docs that the SERVER_NAME config can also take a port number.". Around 6 days down the line on Sunday, June 5th 2011 Armin Ronacher wrote a commit described as "Added blueprint specific error handling" and a commit called "Added documentation in update document for new error handling" while Ron DuPlain added a tiny commit with the message "Approve Frozen-Flask.". Concurrently, the very same one composed a commit called "Started work on an upgrade script for blueprints", a commit claiming to "Import and some usage rewriting.", a tiny commit claiming to "Direct rewrites are unnecessary,

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constructor calls are enough", a commit called "Better control over template rendering calls", a commit claiming to "Added test project I use for testing", a tiny commit with the message "Added disclaimer", a tiny commit claiming to "app.modules -> app.blueprints", a tiny commit called "Alternative names for app", a tiny commit described as "Don't scan the whole file contents for template detection", a commit described as "Started documenting the upgrade script", a tiny commit described as "Usage for the script", a tiny commit described as "Error handler deprecation", a tiny commit described as "Warning about deprecation warnings not showing", a tiny commit claiming to "Note for windows users on the upgrade script" and a commit called "More upgrade notes for blueprints". On June 6th 2011 Armin Ronacher added a tiny commit described as "Allow name to be specified as the first parameter but with an explict name.". About 1 day down the road the very same one composed a commit claiming to "Started documentation for blueprints" while Ron DuPlain crafted a tiny commit with the message "Approve Flask-Login." on June 7th 2011. Armin Ronacher added a tiny commit called "Added a minimal blueprint example" on Wednesday, June 8th 2011. On June 7th 2011 Ron DuPlain authored a tiny commit with the message "Rename teardown example to avoid confusion.". They created a commit claiming to "Expand documentation on blueprints." and a commit claiming to "Replace 'module' with 'blueprint' in docstrings." on June 8th 2011. First time contributor Merlin created a commit claiming to "Added initial uwsgi deployment documentation for nginx; updated nginx URL in fastcgi deployment docs; added uwsgi to deployment index" whilst Ron DuPlain crafted a commit claiming to "Touch up and integrate docs on deploying Flask." on Friday, June 10th 2011. Roundabout 5 days down the line Kenneth Reitz added a tiny commit claiming to "fixed typo" on Wednesday, June 15th 2011. Around 1 day later on Thursday, June 16th 2011 Ron DuPlain added a tiny commit claiming to "Touch up (tiny) doc as requested by emiel, #244." while Armin Ronacher crafted a commit called "Updated blueprint documentation" and a commit with the message "Chnaged a bunch of behavior in blueprints for it to be more flexible. Improved backwards compat.". Exactly 1 day later Armin Ronacher authored a commit with the message "More documentation updates", a commit called "Removed old module documentation and added some new for blueprints.", a commit called "Started work on testcases for blueprints", a commit called "Added a migrated moduleapp as blueprint app", a commit claiming to "render_template calls no longer need changing for

blueprints. They need new paths though :(", a tiny commit called "Added note on templates not being updated", a commit called "More docstrings for blueprints.", a commit claiming to "Added pattern for url processors because the API documentation itself might not reveal much.", a tiny commit described as "Mention the TESTING flag in the docs" and a tiny commit with the message "More modules -> blueprints" on June 17th 2011. Roundabout 3 days later on June the 20th 2011 they themselves crafted a tiny commit with the message "Updated JSON docs" while first time contributor Peter Manser crafted a tiny commit called "Improving documentation for loading jQuery. Now using Google CDN with fallback to local jQuery.". On June 21st 2011 first time contributor wilsaj added a tiny bug removing commit called "Bug fix in the documentation for Deploying with Fabric: as of Fabric 1.0, in the local() function capture=False by default, so it must be explicitly set to capture=True so it returns a python string (http://docs.fabfile.org/en/1.0.1/api/core/operations.html#fabric.operations.local)". On Thursday, June 23rd 2011 Ron DuPlain created a commit described as "Remove extreview .rst in favor of website listing.". On June 25th 2011 Armin Ronacher created a tiny commit called "Provide ways to override the url rule" while Ron DuPlain crafted a tiny commit claiming to "Document Werkzeug's run_simple for dispatch, #225.". Roundabout 1 day down the road on Sunday, June 26th 2011 they themselves created a tiny commit described as "Made it theoretically possible to hook into request matching". Armin Ronacher authored a commit claiming to "Added release script", a tiny commit claiming to "Added version bumping", a tiny commit with the message "It's still dev :)" and a commit with the message "Updated upgrade script to no longer change url_for that don't need to be changed" on Monday, June 27th 2011. On Sunday, June 26th 2011 first time contributor Jeffrey Finkelstein created a tiny commit with the message "fixed pronoun gender in documentation". Simon Sapin created a tiny bug removal commit with the message "Fix a link in the changelog." whilst Armin Ronacher crafted a tiny commit described as "Test that dotted names work. This fixes #258", a tiny commit called "Expanded url_for docstring for blueprints", a tiny commit with the message "Chop of ports for session cookies. This fixes #253" and a tiny commit with the message "Updated Python 3 section" on June the 27th 2011. Meanwhile, Ron DuPlain composed a tiny commit with the message "Add teardown request decorators to blueprints.". On June the 28th 2011 Armin Ronacher crafted a commit with the message "Added class based views",

a tiny commit described as "Improved cbv and added tests", a commit with the message "Added class based view documentation", a tiny commit described as "Added changelog entry", a tiny commit with the message "Less annoying gender neutral forms", a tiny commit described as "Correct release date", a tiny commit called "Bump version number to 0.7", a tiny commit called "HEAD is 0.8-dev" and a tiny commit with the message "Better uploads" when Simon Sapin added a tiny fix commit called "Typo fix in code samples for Pluggable Views doc." and a tiny commit claiming to "Add a link to pluggable views docs in the changelog.". Simultaneously, they themselves crafted a tiny commit called "Fixed release script :(", a tiny commit called "Fixed link to the upgrade script. github changed links apparently" and a tiny commit claiming to "Fixed another typo" while Ron DuPlain composed a tiny commit with the message "Import with statement in helpers.py, #264.". At the same time, Armin Ronacher composed a tiny commit called "Added changelog entry". First time contributor Luit van Drongelen created a tiny commit with the message "Missed the -w option in uWSGI deployment docs." whilst Armin Ronacher created a tiny commit with the message "Admin -> Backend" and a tiny commit described as "Worked around a werkzeug bug with redirects" on Wednesday, June 29th 2011. Armin Ronacher authored a tiny commit claiming to "Bumped version number for this branch to 0.7.1" on Tuesday, June 28th 2011. The very same one composed a tiny commit with the message "Fixed a bug in the release script" and a tiny bug fixing commit described as "Another fix for the script" on Wednesday, June 29th 2011.

Working on it

On June 30th 2011 first time contributor Hadley Rich created a tiny bug fixing commit claiming to "Trivial fix for PathDispatcher example usage". The previously mentioned Armin Ronacher authored a tiny commit claiming to "Fixed a changelog entry", a tiny commit described as "More invalid doc fixing" and a tiny commit described as "Removed leftover from no longer supported blueprint template loading code." on July the 1st 2011. Roughly 5 days later on July 6th 2011 they themselves wrote a commit described as "Fixed an issue that broke url processors for blueprints. Added testcases", a tiny commit with the message "Added changelog entry", a tiny commit claiming to "master is 0.8-dev", a tiny commit described as "Forgot to cherry-pick the release date for 0.7.1 in master" and a tiny commit claiming to "Fixed a broken sentence about blueprints." when first time contributor Bastian Hoyer wrote a tiny commit claiming to "small error in tutorial". About 1 day down the road on July 7th 2011 Armin Ronacher added a tiny commit with the message "Added a row for Flask 0.8 to the changelog", a commit claiming to "Refactored session interface", a commit called "Added missing sessions module", a tiny commit claiming to "Documented a change in the session system", a tiny commit called "More docstrings for the session mixin", a tiny commit called "More doc updates" and a tiny commit described as "Backwards compatibility import". Roundabout 1 day down the line on July 8th 2011 they themselves authored a tiny commit called "The session interface is new in 0.8, not 0.7", a tiny commit called "Better session logic." and a tiny commit claiming to "Backout last change, save_cookie by itself does that". Armin Ronacher composed a tiny commit called "Removed an unnecessary import.", a tiny commit with the message "Added an example of how to postprocess requests in the testing docs." and a tiny commit claiming to "Fixed a typo in the docs." while first time contributor ThomasWaldmann authored a tiny commit with the message "fixed typo" and a tiny commit claiming to "fixed typo" on July the 10th 2011. First time contributor Jesse Dubay added a tiny fix commit claiming to "typo fix: flask -> flag" whilst first time contributor consigliere authored a tiny commit described as "Corrected decorators to remove duplicate teardown_request() and add after_request()" on July the 11th 2011. Around 1 day down the line on July 12th 2011 first time contributor Michał Bartoszkiewicz created a

tiny commit described as "Don't use deprecated flask.session in flask.ctx.". About 1 day down the line Armin Ronacher added a tiny commit claiming to "Fixed a typo. This closes #278" on July the 13th 2011. The very same one created a commit described as "View functions can opt out of the default OPTIONS implementation", a commit claiming to "Documented view function options" and a tiny commit described as "Added a versionadded" on July the 14th 2011. On Friday, July 15th 2011 Armin Ronacher crafted a tiny commit claiming to "Switch to explicit Werkzeug imports". First time contributor Felix Hummel wrote a tiny commit claiming to "be consistent with app.config['UPLOAD_FOLDER']" on Thursday, July 14th 2011. Armin Ronacher authored a tiny commit claiming to "Fixed a bug in list_templates" on July the 16th 2011. First time contributor Ustun Ozgur authored a tiny commit described as "Typo: developped -> developed" whilst Armin Ronacher wrote a tiny commit described as "Fixed a typo in a docstring" on Monday, July 18th 2011. On Tuesday, July 19th 2011 first time contributor Dan Callahan created a tiny commit described as "Minor documentation typo / grammar fixes". The previously mentioned Simon Sapin crafted a tiny commit called "Intersphinx link fixes." on Saturday, July 23rd 2011. About 3 days later aforementioned Ron DuPlain created a tiny commit called "Add code organization help to tutorial doc." on Tuesday, July 26th 2011. On July the 27th 2011 Armin Ronacher crafted a commit described as "Updated docs for streaming" and a tiny commit called "No need for the directive here.". Roundabout 2 days down the road on Friday, July 29th 2011 aforementioned Kenneth Reitz crafted a tiny commit claiming to "Consistent quotes". Armin Ronacher crafted a tiny commit claiming to "Fixed the docs for the request object. They were incomplete" and a tiny commit with the message "Clarified a sentence that no longer made sense with the new docs on request objects." whilst Ron DuPlain created a tiny bug fixing commit claiming to "Fix lighttpd config, from giskard on #pocoo." on July the 30th 2011. On August 4th 2011 the very same one crafted a tiny commit called "Added a testcase for 404 errors caused by the routing system" while first time contributor Brandon Stafford created a tiny commit described as "Add runserver.py filename to match earlier section of example". On Friday, August 5th 2011 Armin Ronacher added a fix commit claiming to "Added HTTP exception trapping. This should fix #294", a tiny commit claiming to "Added a missing versionadded" and a tiny commit with the message "Cleanup for the json property" when Brandon Stafford created a tiny bug removal commit described as "Fix

typos.". At the same time, they composed a commit claiming to "Added debughelpers. Flask will now tell you if you forget enctype", a tiny commit with the message "Better wording", a tiny commit with the message "Wording fail", a tiny commit described as "Only provide that monkeypatch if all files are missing", a tiny commit described as "Added testcase for the debug behavior and explicit encoding" and a tiny commit described as "Better internal method name". On Sunday, August 7th 2011 Armin Ronacher created a tiny commit described as "Added a missing colon", a commit called "Flask in debug mode will now complain if views are attached after the first view was handled.", a commit claiming to "Added the ability to trigger functions before the first request to the application", a tiny commit with the message "Tweaked autodoc to skip :internal: methods.", a commit described as "Improved cookie documentation" and a commit described as "Extended quickstart docs for the headers". Roundabout 1 day down the line on August the 8th 2011 they created a tiny commit called "Hopefully fixed release script date parsing thingy. This fixes #299", a tiny commit described as "Don't only catch BadRequest key errors but all bad request errors." and a commit with the message "If JSON parsing fails it now issues a BadRequest exception.". On Tuesday, August 9th 2011 Armin Ronacher authored a commit called "Flask will now give you an error in debug mode if a post request caused a redirect by the routing system.", a tiny commit claiming to "Documented Request.headers" and a tiny commit described as "Removed second mention of json. This fixes #290". They themselves authored a commit claiming to "Implemented instance paths", a commit with the message "Documented instance root", a tiny commit claiming to "Mention default locations for instance folders", a tiny commit claiming to "Fixed a typo", a commit with the message "Instance paths are now moved into virtualenv/share/appname-instance if installed", a tiny commit called "Corrected prefix detection", a tiny commit called "Added comments for two branches in the instance detection", a tiny commit called "Leave eggs when finding the instance path", a commit claiming to "Refactored package finding", a tiny commit claiming to "Rename _get_package_path to get_root_path to avoid confusion", a tiny commit claiming to "Updated docstring", a tiny commit with the message "Split up a test into two" and a tiny commit with the message "The session interface is new in 0.8 not 0.7" on Wednesday, August 10th 2011. About 3 days later first time contributor Alexis Metaireau composed a tiny commit claiming to "typo" on August 13th 2011. On August the 17th 2011 aforementioned Priit Laes added a

commit called "Improve configuration docs a bit". More than 1 week later on August 25th 2011 our old friend Pedro Algarvio wrote a commit claiming to "Allow passing the endpoint to the route decorators on Flask's `application` and `blueprints`." and a tiny commit with the message "Add endpoint parameter documentation to the route decorator." while Armin Ronacher wrote a commit described as "Added the APPLICATION_ROOT configuration variable which is used by session backends.", a commit with the message "Implemented flask.testing.TestClient.session_transaction for quick session modifications in test environments.", a commit with the message "Refactored tests to use a different subclass", a commit called "Test that we're not leaking a request context in the testsuite, fixed a leak", a tiny commit claiming to "Ensure that nobody can nest test client invocations" and a commit called "Updated documentation regarding the session transactions". At the same time, they wrote a commit claiming to "Deny dot's in blueprint endpoints. Add tests for that too." while Armin Ronacher added a commit called "The test client and test_request_context are now both using the same logic internally for creating the environ. Also they use APPLICATION_ROOT now.", a tiny commit with the message "Added a testcase where SERVER_NAME and APPLICATION_ROOT are not set", a commit described as "Moved testcase for test client context binding to the TestToolsTestCase" and a tiny commit described as "Updated the docs and examples to non-failing teardown handlers". On August 26th 2011 first time contributor Daniel Neuhäuser authored a tiny commit called "s/Ify ou/If you/ typo". Armin Ronacher composed a tiny commit called "Updated instance path documentation to explain the $PREFIX lookup", a tiny commit claiming to "Updated docstring on make_response" and a commit described as "Added flask.views.View.decorators to automatically decorate class based views." on Thursday, August 25th 2011. Around 1 day down the line they composed a tiny commit claiming to "Mentioned View.decorators in the views docs", a gigantic commit described as "Split up testsuite and moved it to flask.testsuite. This fixes #246", a commit claiming to "Added better test runner", a tiny commit with the message "Use the better test runner in the makefile", a commit called "Fight the generic asserts!", a commit described as "Changed assert to self.assert_ where it was still in place", a tiny commit with the message "Updated manifests", a tiny commit claiming to "Fixed a bug in the testsuite that caused problems when dots where in directory names", a commit described as "Updated README", a tiny commit with the

message "Improved the logic in which tests are found", a tiny commit described as "Also support full qualified test names", a commit claiming to "Moved loader code into the testsuite and out of the runner", a commit claiming to "Cleanup in the test finder", a tiny commit with the message "Make BetterLoader() have a better api :)", a tiny commit with the message "Require that cookies are enabled in the test client for session transactions", a commit with the message "The test client now properly pops response contexts on __exit__", a tiny commit with the message "make_default_options_response now tries to use Werkzeug 0.7 functionality before falling back.", a tiny commit claiming to "Fake signals no better follow the blinker api", a tiny commit with the message "Make sure that there is a test for subdomain matching with ports", a commit with the message "Some more cleanups in how the test runner is invoked", a tiny commit claiming to "Added shebang to the test run file", a tiny commit with the message "Refactored logging of internal server errors. Can now be customized" and a commit with the message "Made the foreword less defensive." on Friday, August 26th 2011. Roughly 1 day down the line Armin Ronacher wrote a tiny commit with the message "Added an XXX to a comment to not miss removing deprecated code later", a tiny commit with the message "Added a note on the behaviour of the routing system", a tiny commit described as "Explained why os.getcwd is used for path finding" and a tiny commit called "Don't lie to the user about POST redirects" on August 27th 2011. Roughly 2 days down the road the very same one wrote a tiny commit with the message "Use the _request_ctx_stack instead of the proxy for consistency with the others." while Michał Bartoszkiewicz wrote a tiny commit called "Fixed session loading in flask.testing.TestClient.session_transaction()" on August the 29th 2011. Around 1 day down the road Armin Ronacher composed a commit claiming to "Added finer control over the session cookie parameters" while first time contributor Christopher Currie composed a tiny defect fixing commit called "Fix for d5cd4f8d which broke install on Windows" on August the 30th 2011. Roundabout 2 days later the very same one crafted a tiny commit described as "Late but 2010 -> 2011 in some files" when Ron DuPlain authored a tiny commit described as "Import with statement in testsuite, Python 2.5." on September the 1st 2011. Armin Ronacher crafted a commit claiming to "Update the testsuite to not freak out about a change in Werkzeug 0.8 that changed the behavior of misconfigured hosts." on September 3rd 2011. The very same one authored a commit described as "Updated the documentation to show

how to set cookies for not yet existing responses" and a commit claiming to "Added an testcase for subclassing of Flask to supress logging" on September the 5th 2011. Armin Ronacher created a tiny commit described as "Single quotes for consistency" on September the 10th 2011. Around 3 days down the line on Tuesday, September 13th 2011 Ron DuPlain created a tiny commit claiming to "Update create_global_jinja_loader docstring, #321.". On September 14th 2011 first time contributor Joel Perras added a tiny commit called "Fixed typo in docstring of `dispatch_request` method of `flask.views.View`.". Michał Bartoszkiewicz wrote a tiny commit claiming to "Fixed Blueprint.app_url_value_preprocessor." while Armin Ronacher wrote a commit claiming to "Simplified HEAD handling for method views", a commit described as "Added API example to the method view docs" and a commit called "Experimental redirect importing for flask.ext to flask_ and flaskext." on September the 17th 2011. Roundabout 1 day down the line on Sunday, September 18th 2011 Armin Ronacher wrote a commit with the message "Added tests for the import hook and fixed a problem with it.", a commit described as "Added tests for old imports", a tiny commit described as "Added comment to the importer wiping.", a tiny commit described as "Do not set dotted attributes on flask.ext", a tiny commit described as "Fixed a cross reference in the docs.", a tiny commit called "Documented flask.ext.", a commit claiming to "Documented new import system for extensions", a commit called "Added the flaskext_compat module to support flask.ext in 0.7 and earlier.", a commit called "Started extensions introduction document" and a tiny commit claiming to "Added more tests for the import hook" whilst Priit Laes created a tiny commit claiming to "Clean up auditing command". Simon Sapin authored a tiny commit claiming to "Document the debug param for Flask.run, it is not part of **options given to run_simple. " on July 23rd 2011. More than 8 weeks later on Sunday, September 18th 2011 Ron DuPlain crafted a tiny commit with the message "Cross-reference debug docs in run docstring.". On September 19th 2011 Armin Ronacher created a commit called "Explicitly activate compat module" and a tiny commit with the message "import -> activate". They crafted a tiny commit with the message "Direct passthrough is counter productive" and a tiny commit called "Reworded before 0.8 ext docs." on Tuesday, September 20th 2011. Armin Ronacher authored a commit described as "No longer swallow important import errors.", a tiny commit claiming to "Added a comment on who the is_important_traceback seems to work. It's only speculation" and a

commit described as "Deal with partially setup packages in the redirect hook." on Wednesday, September 21st 2011. On Thursday, September 22nd 2011 they themselves composed a tiny commit called "Whitespace normalize" and a tiny commit called "Added ext to the packages". Around 1 day down the line on September the 23rd 2011 Armin Ronacher added a tiny commit claiming to "Do not break extension tests if tested with installed extensions." when Simon Sapin authored a tiny commit called "Add to sys.path, not sys.path_info". Around 1 day later they composed a tiny commit called "app.name shall be __main__ for console apps" and a commit described as "Context preserving is now part of Flask and not the test client. This fixes #326" on Saturday, September 24th 2011. Armin Ronacher created a commit claiming to "Cleaned up url routing common docs. This fixes #279", a tiny commit claiming to "Fixed typos in copy/pasted text", a tiny commit called "Inserted verb", a tiny commit with the message "Mention localhost:5000 being pointless in the docs. It already says that down on the page but not on the key", a commit claiming to "PERMANENT_SESSION_LIFETIME can now be an integer. This fixes #310", a commit described as "Moved the conversion thing into the ConfigAttribute.", a tiny commit described as "More doc typo fixes" and a tiny commit described as "Fixed a typo. "Does not" of course" on September the 25th 2011. They themselves authored a tiny commit claiming to "total_seconds -> seconds for 2.6 and earlier", a commit described as "Refactored flask.ext process to not swallow exceptions on weird Pythons." and a tiny commit with the message "Parentheses are for Python3" on Tuesday, September 27th 2011. On September the 29th 2011 Armin Ronacher composed a tiny commit claiming to "This will be Rakija", a tiny commit with the message "Bump version number to 0.8" and a tiny commit with the message "This is 0.9-dev". About 3 days down the road on October 2nd 2011 the very same one added a tiny commit called "Prepare for an 0.8.1 release" and a tiny commit described as "Fixed an issue with an unused module for Python 2.5 (flask.session)". Roundabout 4 days later on October 6th 2011 Armin Ronacher authored a tiny commit called "Removed a newline" and a tiny commit called "Added support for anchor link generation." whilst first time contributor kracekumar created a tiny commit claiming to "Added PasswordField in docs/patterns/wtforms.rst". Exactly 1 day later on Friday, October 7th 2011 they added a tiny commit with the message "Added a newline", a tiny commit claiming to "Subscribe to signals with extra kwargs in the docs" and a tiny commit called "Mention that people

subscribe with **extra.". About 4 days down the road Armin Ronacher composed a tiny commit called "Changed logic for debug level log settings" on October 11th 2011. Roundabout 2 days down the line Simon Sapin composed a tiny fix commit called "Typo fix" on Thursday, October 13th 2011. Around 4 days down the road on October the 17th 2011 first time contributor Ross Lawley authored a tiny fix commit claiming to "Api fix status_code => status". More than 2 weeks down the line on November the 2nd 2011 first time contributor Cory Li wrote a tiny commit described as "Changing instance_root to instance_path". Armin Ronacher crafted a commit with the message "Added support for _method to url_for()" on Friday, November 4th 2011. On November 5th 2011 first time contributor Jim Rollenhagen added a tiny bug removal commit claiming to "Fix flask issue #338" and a tiny bug removal commit claiming to "Fix string format error while we're in here." when Armin Ronacher authored a commit called "Break up a circular dependency on shutdown". Priit Laes authored a tiny commit described as "Added testcase for redirect and session keeparound bug" on November the 8th 2011. More than 1 week down the line Armin Ronacher authored a tiny commit claiming to "Store session after callbacks. This fixes #351" whilst first time contributor Craig Dennis wrote a tiny commit described as "Simple documentation corrections, mostly typos." on Sunday, November 20th 2011. On Friday, November 25th 2011 the very same one added a tiny commit called "Improved test coverage for the test client". Armin Ronacher composed a tiny commit called "Not yet stable? Bollocks" and a tiny commit claiming to "Added a branch to test functionality enabled by new test client" on Monday, November 28th 2011. About 6 days down the road they themselves added a tiny commit with the message "Updated mod_wsgi docs to reference the sys.path hackery" on Sunday, December 4th 2011. More than 2 weeks down the road first time contributor FND crafted a commit called "Fixed various stylistic issues in documentation" on Saturday, December 24th 2011. Armin Ronacher crafted a tiny commit with the message "Improved doc exaples. This fixes #370 and #371." on Tuesday, December 27th 2011. More than 1 week down the line the very same one composed a tiny commit called "Fixed a wrong example in the view docs. This fixes #374" on January 5th 2012. Exactly 2 days down the line first time contributor awsum created a tiny fix commit claiming to "typo fix" whilst Ron DuPlain wrote a tiny commit with the message "Add test to catch imports at Flask instantiation." on January 7th 2012. On January 6th 2012 Ron DuPlain crafted a commit claiming to "Update

module helpers to avoid Python imports.". Around 1 day down the line on January the 7th 2012 they crafted a commit claiming to "Handle zip & interactive cases in module helpers." and a commit claiming to "Update tests for new module helpers.". Roughly 2 days later on Monday, January 9th 2012 Ron DuPlain wrote a tiny commit described as "Add discussion to NoImportsTestCase.". Roughly 1 week later on January the 16th 2012 the very same one wrote a tiny commit with the message "Add .egg for zipimporter instance path test." and a tiny commit with the message "Fall back to imports w/exotic pkg loaders, #380.". Priit Laes created a tiny defect fixing commit claiming to "Minor grammar fix" and a tiny commit with the message "Add simple decorator example" on December the 8th 2011. On September 30th 2011 ThomasWaldmann composed a tiny commit claiming to "fixed typo, quote "with" statement". More than 4 weeks down the line on November 2nd 2011 first time contributor Sundar Raman crafted a commit claiming to "Documentation on how to use external debuggers like eclipse/aptana". More than 10 weeks down the line awsum authored a tiny commit called "Update docs/api.rst a bit to reflect code." on January 13th 2012. On October 23rd 2011 first time contributor Kyle Wild crafted a tiny bug fixing commit claiming to "Fix a typo ("is"->"if") in the comments; clarify a bit" and a tiny commit described as "[docstring] Remove an extra `if` clause to clarify sentence". First time contributor Reisen authored a tiny commit with the message "Added a template filter decorator to blueprints." on July 8th 2011. More than 27 weeks down the line on January the 16th 2012 Ron DuPlain added a commit called "Add non-decorator template filter methods.", a commit called "Add tests for template filter methods/decorators." and a tiny commit described as "Document recent changes.". On June the 25th 2011 first time contributor Ori Livneh composed a tiny commit with the message "commas after introductory phrases", a commit with the message "tweaks to style", a tiny commit described as "tweaks to style and structure", a tiny commit described as "tweak to one sentence" and a commit described as "more editorial work". More than 29 weeks later Ron DuPlain added a tiny commit called "Add tiny doc touchups.", a commit called "Expand get_flashed_messages tests." and a commit with the message "Check status code in test client or fail silently." on January the 16th 2012. On October 16th 2011 first time contributor Steven Osborn crafted a commit claiming to "Allow category filtering in get_flashed_messages to allow rending categories in separate html blocks". More than 13 weeks down the line Ron DuPlain added a

commit called "Add get_flashed_messages to CHANGES, expand docs." and a commit called "Keep flashed message examples in one place." on January 16th 2012. First time contributor Joe Esposito crafted a tiny commit with the message "In Flask.run, now when the host/port argument is None, it will use its default value." on Monday, October 24th 2011. Roughly 12 weeks down the line on January the 16th 2012 Ron DuPlain added a tiny commit described as "Update Flask.run signature, note defaults." and a tiny commit called "Add updated Flask.run to CHANGES.". Roundabout 1 day down the line on January the 17th 2012 they themselves authored a tiny commit with the message "Add missing colons to versionadded.", a tiny commit called "Use app.testing=True for asserts in messages test." and a tiny commit called "Document app.testing=True for test client, #381.". On January the 18th 2012 Ron DuPlain crafted a commit with the message "Add test for limited imp loaders, #380.". Roundabout 5 days down the road FND created a tiny commit called "fixed spelling of "instantiate"" and a tiny commit called "simplified as_view documentation" on January 23rd 2012. Aforementioned Jeffrey Finkelstein authored a tiny commit described as "Added PATCH method to the list of HTTP method functions for use in the flask.views.MethodView class." whilst Ron DuPlain composed a tiny commit called "Export .epub with docs, #388." on January 24th 2012. Roughly 2 days down the line Ron DuPlain created a tiny commit with the message "Automate .mobi generation of docs, #388." on January 26th 2012. The very same one crafted a tiny fix commit called "Fix Message Flashing doc, from SwashBuckla #pocoo." whilst FND authored a tiny commit claiming to "Hyphenate "class-based"" on January 31st 2012. On February the 1st 2012 Priit Laes created a tiny commit described as "Document context processors' variable functions" whilst Ron DuPlain authored a tiny commit called "Reword context processors for functions." and a tiny commit with the message "Demonstrate in docs how to use registered filters.". Exactly 2 days down the line on February the 3rd 2012 Ron DuPlain authored a tiny commit called "Add cookie size limit note to sessions section." and a commit called "Move debugger details into a new section, #343.". About 1 day down the line on February 4th 2012 they wrote a tiny commit with the message "Add pypy to tox.ini." and a tiny bug removal commit with the message "Fix tox warning, test "not installed in testenv".". Exactly 2 days down the line on Monday, February 6th 2012 Kenneth Reitz composed a tiny commit called "pip > easy_install", a tiny commit claiming to "pip and distribute installation", a tiny commit claiming to

"vent and no more .", a tiny commit described as "vent and no more ." and a tiny commit described as "typos and fixes". Ron DuPlain created a tiny commit claiming to "Use "." not "source" for shell sourcing." on Tuesday, February 7th 2012. Roundabout 1 week down the road they added a tiny defect fixing commit with the message "Fix Blueprint example with template_folder, #403." on February 14th 2012. More than 1 week down the line on Friday, February 24th 2012 first time contributor Dmitry Shevchenko added a tiny commit with the message "Allow loading template from iterable" whilst Ron DuPlain added a tiny commit claiming to "Add updates to render_template to CHANGES, #409.". On February the 22nd 2012 first time contributor Andrew Ash composed a tiny commit described as "Update docs/errorhandling.rst". On Tuesday, February 21st 2012 awsum composed a tiny commit claiming to "Update docs/patterns/wtforms.rst". Roundabout 5 days down the line first time contributor Paul McMillan created a tiny commit claiming to "Remove redundant words from quickstart." on Sunday, February 26th 2012. On March 1st 2012 Dmitry Shevchenko composed a commit with the message "Blueprint example app" and a commit called "Blueprint example tests" whilst first time contributor Dave Shawley created a tiny bug fixing commit with the message "Fixed silent keyword arg to config.from_envvar." and a tiny commit claiming to "Cleaned up test case for issue #414.". Roughly 1 day later first time contributor Thiago de Arruda wrote a tiny commit called "Fixed assumption made on session implementations." on March 2nd 2012. On Thursday, March 8th 2012 Ron DuPlain crafted a tiny commit claiming to "Split ebook build process into own make target." while Jeffrey Finkelstein added a commit with the message "On JSON requests, the JSON response should have Content-Type: application/json and the body of the response should be a JSON object.". Around 3 days down the line on March the 11th 2012 first time contributor Kevin Burke wrote a commit called "add heroku/deploy options to quickstart, and add more clear links in tutorial setup." and a tiny commit called "update links" whilst first time contributor James Saryerwinnie crafted a bug fixing commit called "Fix issue 140". At the same time, the very same one added a tiny commit claiming to "remove localtunnel things that were added to snippets". Dave Shawley authored a commit called "Added _PackageBoundObject.get_static_file_options." when the previously mentioned Matt Dawson wrote a tiny bug removal commit described as "Fix grammar in extension dev docs." on March the 12th 2012. Concurrently, first time contributor Thibaud Morel crafted a tiny commit

called "Specifying supported Python versions in setup.py metadata". First time contributor Christoph Heer wrote a commit with the message "Add jsonp support inside of jsonify" on Tuesday, January 17th 2012. More than 7 weeks down the line on March 12th 2012 first time contributor Ned Jackson Lovely crafted a tiny commit claiming to "Clean up docs and review pull request #384", a tiny bug fixing commit described as "Fix typo in docs." and a tiny commit with the message "Second thoughts on mime type" while first time contributor Anton I. Sipos created a commit with the message "Move JSONHTTPException and JSONBadRequest to new module flask.exceptions.". At the same time, first time contributor Max added a tiny commit described as "Changed some things in the foreward to diminish its discouragement.", a commit claiming to "Fixed linebreaks." and a commit described as "Wrapped paragraphs; changed some words." when the previously mentioned wilsaj wrote a tiny commit called "docfix: wrong converter name: unicode -> string" and a tiny commit called "docfix: wrong converter name: unicode -> string fixes #364". Meanwhile, James Saryerwinnie crafted a commit with the message "Reword the docs for writing a flask extension" whilst Max crafted a commit described as "Split foreword into two files; edited lots.". On Tuesday, March 13th 2012 Ron DuPlain wrote a tiny commit with the message "Tighten quickstart deployment docs.", a tiny commit with the message "Add Rule #0 to extension development.", a tiny commit called "Expand docs on send_file option hook, #433." and a commit described as "Expose send_file max-age as config value, #433.". Exactly 2 days later on March the 15th 2012 first time contributor iammookli composed a tiny commit called "Update docs/patterns/mongokit.rst". Exactly 1 day later first time contributor jtsoi crafted a tiny commit described as "Added an example of how to configure debugging with run_simple, it has to be enabled both for the Flask app and the Werkzeug server." on March 16th 2012. About 3 days down the line on March the 19th 2012 Simon Sapin composed a tiny commit claiming to "Have tox install simplejson for python 2.5" when first time contributor Jon Parise wrote a tiny commit claiming to "Remove an unused iteration variable.". About 1 day down the road first time contributor Filip Ristić wrote a tiny commit described as "Update docs/patterns/packages.rst" on March 20th 2012. On Saturday, March 24th 2012 first time contributor Kamil Kisiel wrote a tiny commit called "Fixed weird string quoting in setup.py". Roughly 3 days down the road Simon Sapin composed a tiny commit called "pip vs. easy_install consistency" on March the 27th 2012. First time contributor

Pascal Hartig authored a tiny commit called "Removed triple-quotes from print statement in setup.py" on March 28th 2012. On Saturday, March 31st 2012 first time contributor Sergey added a tiny commit described as "Update docs/quickstart.rst". Roughly 1 day down the line Ron DuPlain composed a tiny commit called "Move others.rst to wsgi-standalone.rst.", a commit with the message "Reorder deployment options.", a commit described as "Add simple proxying nginx config to docs.", a tiny commit described as "Touch up proxying docs.", a tiny commit described as "Add notes on mutable values & sessions." and a tiny commit claiming to "Touch up run_simple doc, #446." while Jeffrey Finkelstein created a tiny bug removing commit with the message "Removed extra blank line to fix ReST formatted documentation string in wrappers.py. Should have gone with pull request #439." on Sunday, April 1st 2012. Simultaneously, Kenneth Reitz created a tiny commit described as "2012". On April the 3rd 2012 Ron DuPlain crafted a tiny fix commit described as "Fix static endpoint name mention in quickstart.". Exactly 1 day down the line they crafted a tiny commit claiming to "Clarify use of context-locals with signals." and a tiny bug fixing commit claiming to "Fix reqcontext ref in signals doc." on Wednesday, April 4th 2012. Exactly 4 days down the line Dmitry Shevchenko crafted a tiny commit with the message "Removed unneeded print statements form mongokit pattern doc" on Sunday, April 8th 2012. On April 9th 2012 Armin Ronacher added a tiny commit called "Fixed a typo in a comment", a commit with the message "Implemented a separate application context.", a commit with the message "Added support for basic URL generation without request contexts.", a commit described as "Added more tests for the new stack behavior.", a tiny commit with the message "Updated docs for the app context.", a tiny commit with the message "Documented config changes", a commit with the message "Changed the implementation of returning tuples from functions", a tiny commit called "Fixed a failing testcase", a commit called "Added documentation for appcontext and teardown handlers", a tiny commit described as "Pass exc explicitly to the inner context.", a tiny commit called "Added an example for using the db connection without the request", a tiny commit described as "More documentation updates for 0.9", a tiny commit claiming to "Fixed some smaller things in the docs" and a tiny commit with the message "Fixed a typo" whilst first time contributor Sean Vieira added a tiny bug fixing commit described as "Fix spelling.". Exactly 1 day down the line Paul McMillan wrote a tiny bug fixing commit described as "Minor docs

fix." on April the 10th 2012. On Thursday, April 12th 2012 our old friend florentx composed a tiny commit with the message "few typos". First time contributor Natan created a tiny commit described as "Rectified rampant 'roule'." on April the 17th 2012. On April 18th 2012 Ron DuPlain composed a tiny commit called "Use 'venv' consistently for virtualenv directory." and a tiny fix commit called "Fix typo pointed out by tri on #pocoo.". Exactly 1 day later the very same one created a tiny commit claiming to "Reword 0.9 upgrade doc, thanks to plaes on #pocoo." and a commit with the message "Use American English for "behavior" in docs." on April 19th 2012. Around 1 day later first time contributor Vadim Pestovnikov added a commit with the message "Add detailed Apache httpd fastcgi configuration." whilst Ron DuPlain crafted a tiny commit described as "Touch up fastcgi doc." on April the 20th 2012. Around 1 day later first time contributor Alex Vykalyuk composed a tiny commit claiming to "Removed link to ep.io from quickstart" when Ron DuPlain composed a tiny commit claiming to "Add test for jsonify padded=False, #495." on April the 21st 2012. At the same time, first time contributor ekoka wrote a tiny commit described as "Update flask/app.py". On April 22nd 2012 Ron DuPlain composed a commit with the message "Add a BuildError hook to url_for, #456." and a tiny commit claiming to "Re-raise BuildError with traceback.". Alex Vykalyuk created a tiny commit claiming to "Fixed typo in docs/quickstart" when Ron DuPlain created a commit with the message "Document url_for BuildError hook.", a tiny commit described as "Skip template leak test when not CPython2.7, #452.", a tiny commit described as "Require Werkzeug>=0.7, #449.", a tiny commit described as "Touch up README." and a commit with the message "Revise foreword and Becoming Big docs, #484." on Monday, April 23rd 2012. Exactly 1 day down the road on Tuesday, April 24th 2012 Ron DuPlain wrote a commit with the message "Use default send_file max-age consistently.". They added a tiny commit called "Add Flask.request_globals_class to customize g." on April 18th 2012. Exactly 6 days down the line Ron DuPlain added a tiny commit called "Document example request_globals_class use cases." while ekoka authored a tiny commit with the message "Update flask/testsuite/basic.py" on April the 24th 2012. Roundabout 2 weeks down the line on May the 8th 2012 Armin Ronacher crafted a commit claiming to "Improved interface for the URL build error handler", a tiny commit called "Added required_methods" and a commit with the message "Added after_this_request decorator.". On May the 14th 2012 Alex Vykalyuk added a tiny commit with the

message "Changed docstring according to docs.". More than 1 week down the line first time contributor Marc Abramowitz added a tiny bug removal commit called "Fix failing test: "AssertionError: 'application/javascript' != 'application/json'" in flask/testsuite/helpers.py", line 88" and a tiny commit called "Add .travis.yml" on May 27th 2012. Roughly 3 days down the line on Wednesday, May 30th 2012 Natan added a tiny commit described as "Emended extensiondev.rst.". More than 1 week down the line on June 12th 2012 first time contributor Ben Rousch authored a tiny commit called "Added link to extensions in "Hook. Extend." section.". Roundabout 1 day later on June 13th 2012 first time contributor Massimo Santini wrote a tiny commit with the message "I think it should check that cache_timeout is not None to allow for a (I hope legale) value of 0 for such parameter.". First time contributor Ramiro Gómez composed a tiny commit claiming to "Update master" when Armin Ronacher crafted a tiny commit with the message "Don't build websites with travis", a commit claiming to "Removed padded JSON (JSONP) again." and a tiny commit described as "Added #522 in modified version" on June 17th 2012. Exactly 1 day later first time contributor Matt Wright created a tiny bug fixing commit claiming to "Fix documention for `after_this_request`" on June 18th 2012. Exactly 1 week down the road first time contributor bev-a-tron crafted a tiny commit with the message "Fixes #519 by adding return statement" on June 25th 2012. On June 26th 2012 Armin Ronacher wrote a tiny commit described as "Fixed an issue with the new path finding logic". On Wednesday, June 27th 2012 they themselves created a tiny commit described as "Removed unnecessary import", a tiny commit described as "Fixed a comment" and a commit called "Added flask.stream_with_context". About 4 days down the line Armin Ronacher wrote a tiny commit with the message "This is 0.8.1", a tiny commit described as "Updated CHANGES" and a tiny commit claiming to "Fixed an rst syntax error" whilst first time contributor Laurens Van Houtven added a tiny commit with the message "CHANGES: July 1th should be July 1st" on July the 1st 2012. Roughly 1 day down the road on July 2nd 2012 first time contributor esaurito added a tiny commit called "Fixed codename" whilst Armin Ronacher crafted a tiny commit described as "Fixed a syntax error". First time contributor Sven-Hendrik Haase added a tiny commit described as "Made it explicitly clear where changes should go in the tutorial" and a tiny defect fixing commit called "Fix chose -> choose typo" whilst Ron DuPlain created a tiny commit with the message "Touch up dbinit tutorial doc." on July the 4th 2012.

More than 1 week down the road Simon Sapin wrote a tiny commit called "Remove the unused `ScriptNameStripper.to_strip` in the FastCGI doc example. " on July 12th 2012. Roundabout 4 days later first time contributor Akai Kitsune created a tiny commit described as "Added directions for mod_wsgi vhost configuration under Apache on Windows" on July 16th 2012. Roughly 4 days down the road first time contributor Randall Degges crafted a tiny commit described as "Fixing some wording in the design documentation." on July 20th 2012. Ramiro Gómez crafted a tiny commit described as "Try to correct confusing sentence in doc and fixed word duplication." when first time contributor Sven Slootweg composed a tiny bug removal commit with the message "Fix regex in lighttpd example config to only match static/ and sub-items, and not all directories that start with 'static'" on July 21st 2012. Paul McMillan crafted a tiny commit called "docstring typo" on July 26th 2012. Around 6 days later Priit Laes added a tiny commit with the message "Docs: Mention SERVER_NAME in the url_for() docstring" and a tiny defect fixing commit with the message "Docs: Fix docstring formatting" on August the 1st 2012. More than 1 week later Armin Ronacher authored a commit claiming to "Implemented experimental JSON based sessions", a tiny commit with the message "Added changelog entry for 0.10", a tiny commit with the message "Set current dev version number to 0.10", a commit called "Switch to itsdangerous", a commit with the message "Removed json_available hack", a commit with the message "Removed outdated section in the docs" and a commit described as "Various improvements in regards to the itsdangerous usage, bumped to 0.17" on August 11th 2012. On August 17th 2012 Ben Rousch added a tiny bug fixing commit claiming to "Added _ to fix link to extensions in Hook. Extend.". First time contributor Alex Morega wrote a tiny fix commit called "Fix code example in pluggable views documentation" on August 20th 2012. More than 1 week later on August the 29th 2012 first time contributor d1ffuz0r wrote a tiny commit with the message "fixed issue #524". First time contributor pinchsp composed a tiny commit described as "Fixed small mistake in sqlalchemy pattern" on Tuesday, September 4th 2012. Exactly 2 days later first time contributor Finbarr O'Callaghan composed a commit called "various typo fixes", a tiny commit called "fixed spelling but not the grammar!" and a tiny commit called "actually to actual, again, fixed spelling, not grammar" on September 6th 2012. Exactly 1 week down the line first time contributor Ralph Bean composed a tiny commit claiming to "Update flask/templating.py" on September 13th 2012. More than 1

week later on September the 21st 2012 Armin Ronacher crafted a tiny commit with the message "Removed outdated sentence in the testing docs". More than 1 week down the line first time contributor Ryan Macy wrote a tiny commit with the message "Fixed typo occours to occurs" on Monday, October 1st 2012. Jeffrey Finkelstein created a tiny commit claiming to "Update docs/quickstart.rst" on Friday, October 5th 2012. Roundabout 2 days down the line Armin Ronacher composed a tiny commit called "Updated documentation for the new sessions", a commit called "make_test_environ_builder when used with subdomains was not working correctly, now it uses urlparse module for detecting full URL and changing path and base_url correctly", a commit called "Add @template_test() decorator for creating custom jinja2 tests, like existing @template_filter() for filters. Fixes #332", a tiny commit with the message "Documented latest commit in changelog", a commit claiming to "Added HTTP override middleware to docs. This fixes #582", a tiny commit claiming to "Fixed a typo in the docs. This fixes #576 and #575", a tiny commit described as "Added a missing exposed import. This fixes #575", a tiny commit described as "Added total_seconds() helper for pythons before 2.7", a tiny commit claiming to "Set the content-length header for sendfile. Fixes #447", a tiny commit called "tojson no longer escapes script blocks in HTML5 parsers. Fixed #605", a commit claiming to "Added a new example for checksums on input data. This fixes #601", a tiny commit with the message "Removed dev tag from setup.cfg. Fixes #596", a tiny commit called "Added a workaround for samefile. This fixes #600", a tiny commit described as "Updated travis config for notifications", a tiny commit described as "Removed tox file", a tiny commit with the message "Stop the joinspam", a tiny commit claiming to "Raise exceptions if a function is overridden by a new endpoint. This fixes #570", a tiny commit claiming to "Documented new error case", a tiny commit claiming to "Extra safety for safe_join. Does not look exploitable but better safe than sorry. Fixes #501", a tiny commit with the message "Consistent use of encoding naming", a commit with the message "Added wrapper module around simplejson/json for much simplified customization." and a commit called "Let json.* work even without app on the stack and added tests" on October 7th 2012. On October 8th 2012 they themselves composed a tiny commit called "Removed deprecated and awkward flask.session module", a commit called "Added template tests and made config a true global" and a tiny commit claiming to "Updated a comment that was misleading with recent flask sqlalchemy installations". On October the

9th 2012 Armin Ronacher wrote a commit called "Updated examples to new sqlite patterns and added new section to appcontext docs". First time contributor Corbin Simpson wrote a tiny commit described as "docs/deploying/wsgi-standalone: Add Twisted Web." on October 11th 2012. First time contributor Markus Unterwaditzer wrote a tiny bug removing commit claiming to "Fix #611" while first time contributor Mitchell Peabody created a tiny commit called "The builder on github is using python 2.5, the views.py testsuite uses the with" on October 16th 2012. On October 17th 2012 Mitchell Peabody created a tiny commit described as "There was a duplicated call to url_adapter.build(...)". Roughly 1 day later Armin Ronacher authored a commit described as "Added support for unicode json dumping. This fixes #535" on October the 18th 2012. Roughly 1 day later first time contributor Tony Narlock crafted a tiny commit called "Highlight first field on page load, enter sends submit request, double quote to single quote. Submission focuses first field again" on Friday, October 19th 2012. Roughly 1 day down the road first time contributor Quentin Roy composed a tiny revert-commit described as "Add back path=None argument into find_module. This fixes #618 and revert #524." on Saturday, October 20th 2012. More than 1 week later on Tuesday, October 30th 2012 Armin Ronacher crafted a tiny commit with the message "Added better error reporting for unicode errors in sessions". Roughly 4 days down the road first time contributor soulseekah added a tiny commit called "missing ' in example" on November 3rd 2012. On Monday, November 5th 2012 they authored a tiny commit with the message "Use sqlite3.Row factory in Flaskr" when first time contributor Max Countryman created a tiny commit claiming to "correcting typo". Roundabout 1 week down the line Max Countryman crafted a tiny commit called "correcting typo" and a tiny commit claiming to "really fixing it this time" on Monday, November 12th 2012. Roundabout 5 days later first time contributor Iyra Gaura crafted a tiny commit claiming to "Ended your paragraph tag." on November 17th 2012. More than 3 weeks down the road on Monday, December 10th 2012 Markus Unterwaditzer authored a tiny bug fixing commit with the message "Added hint about print statements in CGI.". Roundabout 1 day later on December 11th 2012 first time contributor Erik Rose composed a tiny bug removing commit claiming to "Fix a typo in the deferred-callbacks docs.". On Thursday, December 13th 2012 first time contributor INADA Naoki wrote a tiny commit with the message "Update docs/extensiondev.rst". Roundabout 6 days down the road Armin Ronacher authored a commit claiming to "Removed unnecessary

end-tags and fixed some broken html" on December the 19th 2012. Markus Unterwaditzer added a tiny commit claiming to "Fixing my own pull request #647" on Monday, December 17th 2012. On Friday, December 21st 2012 Armin Ronacher composed a commit with the message "flask.g is now on the app context and not the request context" and a tiny commit claiming to "Added proxies to template context". On December 26th 2012 first time contributor oliversong authored a tiny commit called "Changing string to text in schema files". About 5 days later Kenneth Reitz wrote a tiny commit with the message "2013" and a tiny commit claiming to "2013" on Monday, December 31st 2012. About 4 days down the road on Friday, January 4th 2013 the previously mentioned Baiju M crafted a tiny commit described as "WSGI specification has finalized for Python 3". Markus Unterwaditzer created a tiny bug fixing commit called "Fix #623" on Thursday, November 8th 2012. More than 9 weeks down the road on Monday, January 14th 2013 first time contributor Trung Ly added a tiny bug fixing commit described as "Update docs/patterns/deferredcallbacks.rst". Roundabout 1 week down the road Armin Ronacher wrote a tiny commit called "Always trap proxy exceptions" and a commit with the message "Fixed last commit and added test" on January the 21st 2013. On Thursday, January 17th 2013 first time contributor Max Countryman composed a commit described as "adding `_scheme` parameter to `url_for`". About 1 week down the road on January the 24th 2013 first time contributor schneems authored a commit called "update README to markdown". Around 3 days later on January the 27th 2013 Armin Ronacher wrote a commit claiming to "Added celery pattern", a commit called "Added template_global, fixes #657" and a tiny commit with the message "Added note on teardown in debug mode. Fixes #661". Roundabout 1 day later on January the 28th 2013 they crafted a tiny commit claiming to "Added workaround for Chrome cookies". On January 29th 2013 Armin Ronacher crafted a tiny commit with the message "Changed session cookie defaults to work better with google chrome". More than 1 week later first time contributor lambdadi created a tiny commit claiming to "Database improperly closed in example code" on February the 11th 2013. First time contributor Devon Mizelle crafted a tiny commit called "fixes #677 - mistype in docs/quickstart" on February the 17th 2013. On Friday, February 22nd 2013 first time contributor Alex Couper crafted a tiny commit with the message "Add closing html tag", a tiny commit with the message "Move docs explaining instantiating Flask", a tiny commit claiming to "Put the link to Flask class docs at the end." and a

tiny commit described as "Remove comma.". Roundabout 5 days down the road on February the 27th 2013 first time contributor Paulo Poiati authored a commit with the message "Flash messages signals". About 1 day down the line first time contributor OrangeTux created a tiny commit called "Update css.rst" on February the 28th 2013. More than 2 weeks down the road first time contributor Michael N. Gagnon composed a tiny defect fixing commit called "fix typo in quickstart guide" on March the 15th 2013. Around 1 day later Markus Unterwaditzer crafted a tiny commit called "Added more information about app factories." on March 16th 2013. On March 21st 2013 Armin Ronacher crafted a tiny commit described as "Documented new signal message_flashed". On March the 25th 2013 first time contributor Tomasz Kalkosiński composed a tiny commit claiming to "Add import to jsonify example.". First time contributor = added a tiny commit claiming to "Fixed a few typos on quickstart" when first time contributor Ed Burnett crafted a tiny commit claiming to "Updated jquery.rst with the current Google Developer hosted libraries URL and jquery version" and a tiny commit with the message "Added self to AUTHORS file" on March 26th 2013. More than 1 week down the line first time contributor Steve Leonard created a tiny commit claiming to "Mention register_error_handler in errorhandler doc" while first time contributor Trey Long added a tiny commit described as "fixing process_response" on April the 4th 2013. Roughly 1 day later on April 5th 2013 first time contributor Alexander Thaller composed a tiny commit with the message "Update README". On Thursday, March 21st 2013 Armin Ronacher added a tiny commit with the message "Documented new signal message_flashed". More than 3 weeks down the road first time contributor Jason Moon composed a tiny commit claiming to "Fixed typo in URL Processor documentation" on Sunday, April 14th 2013. More than 1 week down the road first time contributor Cenk Altı authored a tiny commit called "Syntax highlighting for PyPI long description" on April the 24th 2013. More than 1 week down the line on May the 3rd 2013 first time contributor Akshar Raaj composed a tiny commit with the message "Fixed documentation in 'Design Decisions in Flask'". More than 1 week down the line Armin Ronacher added a commit described as "Added flask.copy_current_request_context which simplies working with greenlets", a tiny commit described as "Added a missing comma", a tiny commit claiming to "Fixed some rst markup problems", a tiny commit called "Added uuid support for new session serialization and documented it", a tiny commit with the message

"Added support for UUID objects to JSON serializer as well", a tiny commit called "Disabled memory tests by default", a reverting commit described as "Revert "update README to markdown"" and a tiny commit with the message "Added missing newlines to readme" on May 14th 2013. First time contributor Thomas Waldmann wrote a commit called "automated change using python-modernize: use 'as' in except", a tiny commit with the message "automated change using python-modernize: replace execfile", a tiny defect fixing commit described as "automated change using python-modernize: fix methodattrs", a tiny commit with the message "document python 2.6 minimum requirement, remove all stuff that refers to 2.5", a tiny commit claiming to "require 'six' in setup.py, add flask._compat for stuff not yet in 'six'", a tiny commit claiming to "python-modernize automated changes: misc. minor stuff", a tiny commit described as "python-modernize automated changes: fix_dict", a tiny commit with the message "python-modernize automated changes: fix_next" and a tiny commit with the message "python-modernize automated changes: fix_unicode (but without six.u())" when Daniel Neuhäuser composed a tiny commit with the message "Add tox.ini" and a tiny commit claiming to "Test on 3.3 on travis" on May 18th 2013. Meanwhile, the very same one created a tiny commit called "py3 compat: use six.reload_module" while Daniel Neuhäuser created a tiny commit claiming to "reload_module is in six.moves", a tiny commit described as "Use print_function" and a tiny commit called "Don't notify IRC for this branch". Armin Ronacher authored a tiny commit called "Removed 2.5 from travis" and a tiny commit called "Restore 2.5 support for the time being" on May the 20th 2013. Thomas Waldmann created a commit claiming to "copy _compat.py from flask in here (and adapt docstring)" on May 21st 2013. Roundabout 1 day down the line the very same one wrote a commit claiming to "ported some more stuff to py 3.3" whilst Daniel Neuhäuser composed a tiny commit with the message "Use werkzeug@sprint-branch in tox", a tiny commit claiming to "Test using itsdangerous with 3.x support" and a tiny commit claiming to "itsdangerous uses json instead of simplejson now" on May the 22nd 2013. Meanwhile, Markus Unterwaditzer composed a defect fixing commit described as "Fix some literals" whilst Daniel Neuhäuser composed a commit described as "Response data is bytes", a commit with the message "Use assert_true instead of assert_", a tiny commit described as "Use assert_equal instead of assertEquals", a tiny commit called "Add missing msg argument to assert_true()", a commit claiming to "Use assert_in where appropriate", a

tiny commit claiming to "Use assert_false where appropriate", a tiny commit claiming to "Add missing assertIn, assertNotIn methods on 2.6", a tiny commit called "module name is quoted in ImportErrors on 3.x" and a tiny commit claiming to "Make DebugFilesKeyError.__str__ return str on 3.x". Concurrently, they added a tiny bug removing commit with the message "Fix leak in leak detection code" while Daniel Neuhäuser added a tiny bug removing commit with the message "Fix .iteritems() access in flask.sessions", a commit claiming to "Remove six dependency", a tiny commit with the message "Ensure that config file is closed immediately" and a tiny commit claiming to "Prevent UnboundLocalError in test_build_error_handler". Armin Ronacher crafted a tiny commit described as "Support old and new name for json", a commit called "Removed incorrect JSON exception subclasses", a tiny commit described as "Fixed a broken test", a tiny commit described as "Removed 2.5 support in master", a tiny commit described as "Change travis test command" and a tiny commit called "Added install section" on Thursday, May 23rd 2013. Roughly 2 days down the road on Saturday, May 25th 2013 first time contributor Tobias Bieniek authored a tiny commit called "Fixed typo in app.blueprints docstring" whilst Thomas Waldmann crafted a fix commit claiming to "fix minitwit/flaskr test errors, improve docs about file open mode", a tiny fix commit claiming to "fix iterator in testsuite helpers", a tiny defect fixing commit described as "fix metaclass usage for py3", a tiny commit with the message "always import from ._compat", a tiny fix commit called "fix data types in after_request test" and a tiny fix commit called "fix typos". On Sunday, May 26th 2013 Daniel Neuhäuser authored a tiny commit called "Depends on itsdangerous>=0.12 now" whilst Thomas Waldmann added a tiny commit called "replace 1/0 by 1 // 0 to get rid of DeprecationWarning (and PEP8 issue)". Concurrently, they crafted a tiny commit with the message "Always return a list from get_flashed_messages". Armin Ronacher added a tiny commit claiming to "Enabled test mode for an app", a tiny commit called "Close request objects if they support closing.", a tiny commit with the message "Set the content length automatically before calling wrap_file", a tiny commit claiming to "Fixed a whole bunch of resource warnings in the flask testsuite" and a tiny commit claiming to "Disable direct passthrough for accessing the data attribute on newer Werkzeugs" whilst Thomas Waldmann added a tiny bug fixing commit with the message "fix issues in test_context_refcounts that were unnoticed yet as they did not make the test fail" and a tiny commit described as "flask view function may

return bytes/str/unicode" on Thursday, May 30th 2013. At the same time, the very same one created a commit described as "Fixed various issues on the Python 3 port", a tiny commit claiming to "Fixed a broekn testcase", a tiny commit described as "Fixed some test failures", a commit claiming to "Changed teardown error handling to be more reliable.", a tiny commit with the message "Adjusted a testcase for Python 3", a tiny commit claiming to "Added tox-test command" and a tiny commit described as "Test Flask against werkzeug master". On May the 31st 2013 Armin Ronacher authored a tiny commit called "Make travis install development werkzeug" and a tiny commit described as "Let travis notify the #pocoo irc channel". About 1 day down the road the very same one added a tiny commit called "Added the JSONIFY_PRETTYPRINT_REGULAR config variable. This fixes #725" and a commit claiming to "Order JSON keys by default to avoid trashing HTTP caches" on June the 1st 2013. Around 1 day down the line on June 2nd 2013 Armin Ronacher wrote a tiny commit claiming to "Make the JSON module work better in the absence of an application context", a commit described as "Removed a bunch of code from _compat", a tiny commit called "Removed an unnecessary as statement", a commit claiming to "Fixed request context preservation and teardown handler interaction." and a tiny commit claiming to "Added a test for non-ascii routing". Around 1 day down the line they added a commit claiming to "Imply the |safe on tojson in templates and change escaping logic" on June 3rd 2013. Exactly 2 days later Armin Ronacher added a tiny commit called "Fixed too strict tests for cookie setting that broke on werkzeug changes", a commit with the message "Added appcontext_pushed and appcontext_popped signals", a commit called "Added example on faking resources and context", a tiny commit claiming to "Documented changes on the g object some more" and a tiny commit with the message "Some reindentation cleanup" on Wednesday, June 5th 2013. On Friday, June 7th 2013 the very same one wrote a tiny commit claiming to "The default run method is now accepting the port from the SERVER_NAME.", a tiny commit called "Some small cleanup" and a tiny commit claiming to "Switch to teardown_appcontext for docs in sqlalchemy pattern". Roundabout 1 day down the road on June 8th 2013 Armin Ronacher crafted a tiny commit claiming to "Added a testcase for some more routing things between blueprints.". Around 1 day down the line on June 9th 2013 they added a commit described as "Added Persona example", a tiny commit described as "Added site name to persona login", a tiny commit with the message "Removed view_func

from route documentaiton.", a commit described as "Changed interface for `flask.g`", a tiny commit called "Added a missing note to the docs", a commit with the message "Modernized docs in a few places", a tiny commit with the message "Fixed a broken reference", a commit called "Added notes on Python 3", a tiny commit with the message "Added requirements for Python 3", a tiny commit called "Fixed a broken link in the docs" and a commit called "Added documentation on API error handlers". Armin Ronacher crafted a tiny commit claiming to "Fixed a typo" on Tuesday, June 11th 2013. About 1 day down the road on Wednesday, June 12th 2013 first time contributor Mark Steve Samson wrote a tiny bug fixing commit claiming to "Fix typo" when Armin Ronacher added a commit described as "Added request.get_json().". Armin Ronacher authored a tiny commit described as "Changed build matrix for travis", a tiny commit called "Fixed incorrect version definitions in travis", a tiny commit claiming to "Added release requirements", a tiny commit with the message "Flask should now work with release requirements on 3.3", a tiny commit called "Release date is today, codename is Limoncello", a tiny commit described as "Bump version number to 0.10", a tiny commit described as "This is 0.11-dev" and a tiny commit claiming to "Fixed invalid reference" whilst Daniel Neuhäuser added a tiny commit with the message "Add Python 3.3 classifier" and a tiny commit described as "Add myself to AUTHORS" on Thursday, June 13th 2013. Concurrently, they authored a tiny commit described as "Started 0.10 maintenance branch for a bugfix release" and a tiny commit described as "Use same version specifications as in Werkzeug". On June the 14th 2013 Armin Ronacher wrote a tiny commit with the message "Changed |tojson filter to quote single attributes" and a tiny commit claiming to "Added support for bytes in sessions back" while first time contributor Serge S. Koval added a commit called "Fixed class-based views support". Meanwhile, they themselves authored a tiny defect fixing commit with the message "Added changelog entry for the method registering fix", a tiny commit with the message "Set release date for 0.10.1", a tiny commit with the message "Bump version number to 0.10.1", a tiny commit with the message "In case we need a 0.10.2", a tiny commit described as "Master is 0.11-dev" and a tiny commit described as "Fixed some embarrassing grammar" whilst first time contributor Stefano Costa wrote a tiny commit claiming to "Correct small typo in internal link". At the same time, first time contributor augustusdsouza composed a tiny commit called "Fixed a typo". On June 19th 2013 Daniel Neuhäuser authored a tiny commit described as "Don't

use werkzeug dev version in tox anymore". Exactly 3 days later first time contributor Karol Kuczmarski authored a tiny commit claiming to "Add Flask.config_class feature" on Saturday, June 22nd 2013. On Sunday, June 23rd 2013 first time contributor Igor Mozharovsky created a tiny bug removal commit called "Fix typo". Daniel Neuhäuser wrote a tiny defect fixing commit with the message "Fix broken test_appcontext_signals test case" and a tiny commit claiming to "Do not test with blinker dev version" whilst first time contributor BobStevens composed a tiny commit claiming to "word change for clarity" and a tiny commit claiming to "fixed typo" on June the 27th 2013. First time contributor Martín Gaitán crafted a tiny commit described as "plural" on June the 30th 2013. About 3 days down the road on July the 3rd 2013 Daniel Neuhäuser authored a tiny commit claiming to "Test blinker development version again". Around 2 days down the road on July 5th 2013 they added a tiny commit with the message "blinker repository moved to github". More than 2 weeks down the road first time contributor Chris Rebert authored a tiny fix commit called "api.rst: fix some spelling/typos" while first time contributor Nick Zaccardi created a tiny commit described as "cleared up confusion for from_envvar" on July 22nd 2013. On July 24th 2013 Armin Ronacher created a tiny commit described as "Fixed a documentation typo". First time contributor Eric Radman wrote a commit described as "Update example for Apache FCGI config to use worker processes using FastCgiServer, along with some notes about FastCgiExternalServer" while Armin Ronacher created a tiny commit described as "Fixed a typo" on July the 26th 2013. Around 1 day down the line Markus Unterwaditzer crafted a tiny fix commit with the message "Fix #782 -- /tmp/ in tutorial" on Saturday, July 27th 2013. First time contributor Robert Picard crafted a tiny commit described as "Remove Werkzeug bug workaround from flask/app.py" on Monday, July 29th 2013. Roughly 1 day later Armin Ronacher composed a tiny commit claiming to "Added line for 1.0", a commit with the message "Added SESSION_REFRESH_EACH_REQUEST config option." and a tiny commit described as "Fixed a test that broke on 3.x" whilst Markus Unterwaditzer added a tiny bug removal commit called "Fix #815" on July 30th 2013. On Wednesday, July 31st 2013 first time contributor Bill Mill crafted a tiny bug removal commit with the message "Fix doc bug, clarify use of make_dicts". About 4 days later first time contributor Chason Chaffin composed a commit described as "Changed sort_json test to test str sorting" when Kevin Burke added a tiny commit called

"app.py: Link to correct EnvironBuilder docs" on August 4th 2013. On Wednesday, August 7th 2013 first time contributor Matt Wright created a commit with the message "Add ability to config from a JSON file". On Saturday, August 10th 2013 first time contributor Jamie Grove created a tiny commit claiming to "Update blueprints.rst - Error Handlers". First time contributor Jochen Kupperschmidt crafted a tiny commit described as "Fixed tiny but distracting typo." on August 11th 2013. Around 2 days later Daniel Neuhäuser composed a tiny commit called "Explain is_package AttributeError in find_package" on Tuesday, August 13th 2013. On August 17th 2013 first time contributor enkore authored a tiny fix commit described as "Update sessions.py". First time contributor Maximilian Hils added a tiny bug removal commit claiming to "Fix typo in docstring" on August 19th 2013. Around 4 days later first time contributor Will Bowlin composed a tiny commit called "corrected documentation for Request get_json()" on August 23rd 2013. About 1 day down the road first time contributor Adam Obeng wrote a tiny fix commit called "Fix typo" on Saturday, August 24th 2013. Armin Ronacher wrote a tiny commit called "Removed g object from example as it was unused" on August 30th 2013. Roundabout 2 days later on September 1st 2013 they added a commit called "Rewrote tutorial to use the g based appcontext object". About 1 day later on September the 2nd 2013 Armin Ronacher wrote a tiny commit claiming to "Some cleanups". Daniel Neuhäuser created a tiny bug fixing commit with the message "Fix #856 ommited typo in quickstart" whilst Sean Vieira added a tiny bug removing commit called "Fix with block" on Tuesday, September 3rd 2013. Exactly 1 day later first time contributor Wouter Van Hemel added a tiny commit claiming to "Add a non-decorator version of the error handler register function" on September 4th 2013. On September the 6th 2013 the very same one composed a commit described as "Add tests for user-defined exceptions in blueprints". First time contributor Michael Bikovitsky authored a tiny bug removing commit with the message "Fix test_no_error_swallowing" and a tiny bug removing commit called "Fix test_send_file_object" whilst first time contributor Jet Sun authored a tiny bug removing commit called "Fix typo." on September the 7th 2013. About 2 days down the road on September the 9th 2013 first time contributor Oliver Beattie created a tiny commit with the message "Make the decorators attribute on View a tuple by default". More than 1 week down the road on September the 19th 2013 first time contributor Christopher Su composed a tiny commit described as "added missing import in sqlalchemy doc". First time

contributor Daniel Richman added a commit with the message "Check error handlers for specific classes first" on August the 17th 2013. More than 5 weeks down the road on September the 25th 2013 first time contributor dmackinnon added a tiny bug fixing commit described as "Fix typo". Roundabout 1 day down the road on September 26th 2013 first time contributor defuz added a tiny fix commit called "fix typo (jsonfiy)". The very same one created a tiny commit with the message "add TEMPLATES_AUTO_RELOAD option to config" on September the 30th 2013. First time contributor Hyunjun Kim created a tiny bug removal commit described as "Fix a typo on blueprints module name." on Wednesday, October 2nd 2013. Roughly 1 day down the road on Thursday, October 3rd 2013 first time contributor Alexey Shamrin authored a tiny commit called "quickstart: import `request` in HTTP methods example". More than 1 week down the road first time contributor rsyring wrote a commit described as "Update appfactories.rst, make extension related section clearer" when first time contributor John Hobbs authored a tiny commit with the message "Update url_for documentation" on October the 11th 2013. Around 1 day down the road first time contributor talam composed a tiny commit called "Updated some typos" on Saturday, October 12th 2013. Around 3 days later on Tuesday, October 15th 2013 first time contributor Matt Skone authored a tiny commit with the message "Escaped 'text' keyword in column name." when first time contributor Sean Cronin authored a tiny commit called "Makes the error names consistent". At the same time, first time contributor Adrian created a tiny commit described as "Don't refer to flaskext in docs". Daniel Neuhäuser added a commit described as "Clear exceptions when pushing a context" on Wednesday, October 16th 2013. About 6 days down the line the very same one crafted a tiny bug fixing commit claiming to "Fix typo s/at at/at a/" whilst Christopher Su created a tiny commit claiming to "moved Table import to next code block" on Tuesday, October 22nd 2013. Around 3 days later on Friday, October 25th 2013 first time contributor Day Barr created a tiny fix commit with the message "Fix typo in docs for error_handler_spec". Roughly 5 days down the road first time contributor d3spis3d wrote a tiny commit called "URL Reversing in Quickstart #779" whilst first time contributor Pengfei Xue wrote a tiny bug fixing commit called "fix typo" on October 30th 2013. More than 1 week down the road first time contributor Reetta Vaahtoranta created a commit with the message "Changed the wording of some sentences there were difficult to understand." when Armin Ronacher added a commit

called "Rewrapped lines" on Saturday, November 9th 2013. More than 5 weeks down the line on December the 16th 2013 first time contributor Afik wrote a tiny commit claiming to "Update celery.rst". More than 1 week down the road on December 24th 2013 first time contributor Mark Hildreth authored a tiny commit with the message "Fixed incorrect grammar in Config.rst" when first time contributor Zachary Wright Heller composed a tiny fix commit with the message "Fix typo in helpers.py". Roughly 1 week down the line first time contributor Mikael Åhlén added a commit with the message "added a new behaviour for responses that enable the tuple to be in the form of (response, headers) and continiue to support the (response, status, headers) format." and a tiny commit with the message "added a new test case with a Response instance and cleaned up the code" on December the 31st 2013. On January the 2nd 2014 Daniel Neuhäuser composed a commit claiming to "Happy New Year 2014". First time contributor bool-dev crafted a tiny commit called "Updated greenlet links, which were dead." on Saturday, January 4th 2014. About 2 days down the line on January the 6th 2014 first time contributor skeuomorf composed a tiny commit described as "Added a favicon for the docs". First time contributor Tommaso Allevi added a tiny commit called "Use json method" and a tiny commit with the message "Remove unused import" whilst first time contributor Matt Iversen crafted a tiny commit with the message "Release as universal python wheel (2/3 compat)" on January the 11th 2014. Roundabout 1 day down the line first time contributor Spittie added a tiny commit claiming to "Update fileuploads.rst" on January 12th 2014. More than 1 week down the line first time contributor Ifiok Jr. composed a tiny commit called "Update appcontext.rst" on January 20th 2014. Roughly 3 days later on January the 23rd 2014 Matt Wright crafted a commit claiming to "Add `get_namespace` method on `Config` object for convenient access of namespaced config options.". Roughly 1 day down the road on January the 24th 2014 first time contributor Guriec Corbel authored a tiny commit claiming to "Remove the extra "1"" while first time contributor Nicholas Zaccardi created a tiny commit claiming to "added a note to the api documentation about JSON_SORT_KEYS. Fixes #922". On January 26th 2014 Armin Ronacher wrote a commit described as "Added a workaround for a pypy bug in context managers", a tiny commit called "Make Python 3 happy" and a tiny commit described as "Fixed a missing import". More than 1 week down the road on February the 5th 2014 first time contributor Alex Pearce composed a tiny commit described as "Explicitly pass the Celery instance name.". Roughly 2 days

down the road on Friday, February 7th 2014 first time contributor Martin Polden added a tiny commit with the message "Update copyright year". Roundabout 1 day later Armin Ronacher added a tiny commit called "Added a warning about key sorting", a tiny commit claiming to "Added support for custom JSON mimetypes", a tiny commit called "Fixe a bug in the test client causing url parameters to be removed. This fixes #968", a tiny commit described as "Fixed a typo", a tiny commit called "Added changelog entry", a tiny commit called "Removed an unnecessary newline", a tiny commit claiming to "Make before_first_request a decorator", a commit called "Fixed sending etags for file streams with a name. This fixes #930.", a tiny commit claiming to "Fixed a changelog entry", a tiny commit with the message "Switch away from /tmp for windows users", a tiny commit with the message "Various documentation fixups", a tiny commit with the message "Fixed sqlite3 pattern. This fixes #924" and a tiny commit described as "Fixed warning and broken tests on 3.3" on Saturday, February 8th 2014. Exactly 1 day down the road on February 9th 2014 they themselves composed a tiny commit claiming to "Fixed send_from_directory not rebasing to the root path. This fixes #921", a tiny commit described as "Added a test for sending from directories", a tiny commit claiming to "Fixed PyStringIO in tests for 2.x" and a tiny commit called "Closed an unclosed file in the tests". First time contributor Alexis Svinartchouk created a tiny bug removal commit with the message "fix issue #879 and add a test for it" on October 4th 2013. More than 18 weeks down the road on Sunday, February 9th 2014 Armin Ronacher authored a tiny commit called "Use a condition variable instead of sleeping", a tiny bug fixing commit claiming to "Documented fix for #879", a tiny commit described as "Use older descriptor to support older werkzeug versions", a tiny commit described as "Disarmed a sentence a bit" and a tiny commit with the message "Fixed a broken test". Exactly 2 days down the line on February 11th 2014 Matt Iversen authored a commit with the message "Update windows installation and other notes". Around 1 day later on Wednesday, February 12th 2014 Daniel Neuhäuser wrote a tiny commit claiming to "Add Config.from_json to changelog". On February 13th 2014 first time contributor Joe Friedl composed a tiny commit called "Update docs copyright date". About 1 week down the line Daniel Neuhäuser crafted a tiny commit described as "Add Flask.config_class to changelog" and a tiny commit called "Add assertIsInstance to FlaskTestCase on 2.6" on Thursday, February 20th 2014. More than 1 week down the road first time contributor Eliseo Ocampos composed a tiny commit described as

"Added 'import os' statement" on Tuesday, March 4th 2014. About 1 day down the road on Wednesday, March 5th 2014 first time contributor Charles-Axel Dein added a tiny commit called "Clarify the after_request argument". More than 1 week later Daniel Neuhäuser created a tiny bug removal commit called "Fix Python 3 compat issue in Config.get_namespace" and a tiny commit called "Add Config.get_namespace to CHANGES" on Thursday, March 13th 2014. On March the 15th 2014 first time contributor max demian composed a tiny commit described as "Update json.py", a tiny commit with the message "Update sessions.py", a tiny commit with the message "Update signals.py", a tiny commit with the message "Update views.py" and a tiny commit called "Update wrappers.py". On Wednesday, March 19th 2014 first time contributor Kyle Stevenson wrote a tiny commit called "Small punctuation change in unicode doc" whilst Armin Ronacher authored a tiny commit claiming to "Added a missing import". On Friday, March 21st 2014 Kenneth Reitz wrote a revert-commit described as "Revert "Merge pull request #859 from wvh/register_error_handler"" and a revert-commit described as "Revert "Revert "Merge pull request #859 from wvh/register_error_handler"""". Around 5 days down the road on Wednesday, March 26th 2014 first time contributor Andrew Plummer composed a tiny fix commit claiming to "Fix import in viewdecorators.rst for @templated" and a tiny commit called "Tweak wording in viewdecorators.rst". Exactly 1 week later on April the 2nd 2014 first time contributor atupal created a tiny commit with the message "missed word.". Around 3 days later on Saturday, April 5th 2014 Markus Unterwaditzer composed a tiny defect fixing commit described as "Fix when release date is not today". Roughly 5 days down the road on Thursday, April 10th 2014 Armin Ronacher authored a tiny commit claiming to "Upload to new server". On Friday, April 11th 2014 the very same one created a tiny commit described as "Updated changelog formatting", a commit called "Added workaround for Python 3.3's frozen loader", a tiny commit claiming to "Fixed the last changeset." and a commit called "Better support for namespace packages." whilst first time contributor raimu composed a tiny fix commit claiming to "fix typo". Around 2 days later first time contributor mjfroehlich crafted a tiny defect fixing commit called "Fix minor typo" on April 13th 2014. Roughly 3 days down the road first time contributor Mihir Singh crafted a commit called "Append a 'Vary: Cookie' header to the response when the session has been accessed" and a commit described as "Add tests for the `Vary: Cookie` header" on April the 16th 2014. Roughly 5 days down

the road Armin Ronacher composed a tiny commit described as "Fixed intention in flask init", a commit called "Added the new flask run module to start the server.", a tiny commit described as "Added thread flag to flask run", a tiny commit called "Fixed a reference in the docs." and a commit claiming to "Added __main__ module" while first time contributor Zak Johnson authored a tiny fix commit described as "Fix typos in docstrings and comments in run.py" on April 21st 2014. Roughly 2 days down the line on April the 23rd 2014 first time contributor Carlos E. Garcia created a tiny commit called "few mispelling errors". Around 3 days down the line on Saturday, April 26th 2014 Daniel Neuhäuser wrote a tiny commit with the message "Check links in the documentation with tox", a tiny fix commit called "Fix Pocoo documentation links", a tiny commit called "Link to https version of python docs", a tiny bug removal commit claiming to "Fix Jinja link", a tiny commit called "Switch pypi links to https", a tiny commit called "Switch packages.python.org to pythonhosted.org", a tiny commit claiming to "Use https instead of http for docs.python.org", a tiny commit described as "Use https for devcenter.heroku.com", a tiny commit with the message "Use libevent.org", a tiny commit described as "Switch diveintohtml5.org to diveintohtml5.info" and a tiny commit called "Run tests with Python 3.4 with tox". Armin Ronacher authored a tiny commit claiming to "Depend on click now", a huge commit with the message "Added click support to Flask", a tiny commit claiming to "Added changelog entry for click", a commit called "Updated docs for click support", a commit called "Added missing documentation page", a tiny commit with the message "Added a missing docstring", a tiny commit claiming to "Add "." to sys.path by default" and a commit claiming to "Updated tutorial to the flask script" while first time contributor Erik Rose crafted a tiny bug fixing commit described as "Fix a docstring type in cli.py." on April 28th 2014. The very same one wrote a commit described as "Updated documentation once more for new cli." and a commit described as "Updated the examples to be cli based" on Tuesday, April 29th 2014. Around 2 days later Armin Ronacher authored a tiny commit claiming to "Improved support for composable cli" on Thursday, May 1st 2014. They themselves wrote a commit claiming to "Fixed flask tests" and a tiny commit with the message "Clarified how to test with click" on Friday, May 2nd 2014. Around 5 days down the line Armin Ronacher wrote a commit with the message "Refactored script info to allow more advanced patterns.", a commit described as "Refactored loading logic to super properly." and a commit called

"Further refactored script system to allow more customization for special apps." on Wednesday, May 7th 2014. On April 29th 2014 first time contributor Marc Schlaich wrote a tiny commit claiming to "Fixed typo.". More than 1 week down the line Armin Ronacher composed a commit with the message "Greatly refactored click integration and documented it a bit more.", a tiny commit with the message "Updated setup.py a bit. This fixes #1018" and a tiny commit with the message "Made errors for working outside of contexts clearer." whilst first time contributor Julen Ruiz Aizpuru composed a commit with the message "Docs: fixes" on Wednesday, May 7th 2014. Exactly 1 day down the road on Thursday, May 8th 2014 they themselves created a tiny commit with the message "Fixed the cli system failing syntax errors.". First time contributor Miguel Grinberg created a tiny commit described as "fixed import for python 3" on Friday, May 9th 2014. Roughly 2 days later first time contributor lord63 created a tiny bug removing commit called "fix a small mistake in setup.rst" while first time contributor Ian Connolly crafted a tiny bug fixing commit called "Fix a tiny spelling error: untilization -> utilization" on May 11th 2014. Armin Ronacher composed a commit claiming to "Simplified click integration a bit" and a tiny commit claiming to "Simplified app finding for cli" while lord63 added a tiny bug removing commit described as "fix a small mistake in setup.rst" on May the 12th 2014. Ian Connolly wrote a tiny commit described as "Fixes #1051" on Tuesday, May 13th 2014. About 1 day down the line on May the 14th 2014 first time contributor Shalabh Aggarwal crafted a tiny commit called "Fixed a small typo with flask.g docstring". On May 17th 2014 first time contributor Wing composed a tiny commit with the message "Doc for add check upload file". Around 2 days down the road first time contributor kekumu authored a tiny commit described as "Update advanced_foreword.rst" on May the 19th 2014. Roughly 1 day later on May the 20th 2014 first time contributor Bulat Bochkariov added a tiny commit described as "Fixed a typo.". More than 1 week down the line first time contributor David Branner added a tiny commit described as "add `Table` to import in `sqlalchemy.rst` example" on Friday, May 30th 2014. Roughly 3 days down the line on Monday, June 2nd 2014 first time contributor EJ Lee wrote a tiny commit with the message "Update mod_wsgi.rst". First time contributor Jakub Stasiak added a commit claiming to "Get rid of _tag->closure->_tag reference cycle" on June the 4th 2014. More than 1 week later first time contributor Shipeng Feng wrote a tiny commit described as "Fixed typo in _compat.py" on Sunday, June 15th 2014. Lord63

authored a tiny commit described as "Update installation.rst" and a tiny commit described as "Update installation.rst" whilst first time contributor Wxcafé (Clément Hertling) crafted a tiny commit claiming to "Update mod_wsgi.rst" on June 16th 2014. More than 1 week later on June the 29th 2014 first time contributor Mark Slater created a tiny commit called "Update dbcon.rst" and a tiny commit claiming to "Update dbinit.rst". On July 1st 2014 first time contributor root-11 crafted a tiny commit claiming to "Update schema.rst". Roughly 2 days down the road first time contributor Suraj Patil composed a tiny commit called "The example does not execute" on July the 3rd 2014. Around 3 days down the line first time contributor Jihyeok Seo created a tiny defect fixing commit described as "Fix typo in cli docs" on July 6th 2014. About 1 day down the line on Monday, July 7th 2014 first time contributor INADA Naoki authored a tiny commit claiming to "Stop recommending Python 2.6". They created a tiny commit described as "Update python3.rst" on July 10th 2014. Lord63 composed a tiny fix commit with the message "Fix a typo in templating.rst", a tiny commit with the message "Update becomingbig.rst" and a tiny bug fixing commit described as "Fix typos in shell.rst" on July the 9th 2014. Around 1 day down the road on July the 10th 2014 they wrote a tiny bug removal commit described as "Fix a typo in config.rst". Roughly 1 day down the line on Friday, July 11th 2014 lord63 added a tiny defect fixing commit with the message "Fix typos in config.rst". Roundabout 4 days down the road on Tuesday, July 15th 2014 first time contributor Miles Richardson added a tiny commit with the message "fixed typo -- missing "are" in docs/signals.rst". More than 1 week down the line first time contributor Nico Revin composed a bug removing commit claiming to "Update doclinks" on Thursday, July 24th 2014. Roundabout 2 days later on July 26th 2014 lord63 crafted a tiny commit claiming to "Correct the mistakes." while INADA Naoki composed a tiny commit called "Update python3.rst". At the same time, they themselves authored a tiny commit claiming to "Correct the mistake again.". On July the 27th 2014 INADA Naoki authored a tiny commit with the message "Update python3.rst" while Daniel Neuhäuser crafted a commit called "Add Config.from_mapping" and a tiny commit with the message "Base from_json on from_mapping". About 2 days down the road first time contributor Jeffrey D authored a commit described as "Addressed issue #1134" on July 29th 2014. More than 1 week down the line Markus Unterwaditzer composed a tiny bug removing commit with the message "Add documentation about url_for's default scheme" on August 11th

2014. On August the 12th 2014 Armin Ronacher crafted a tiny commit claiming to "Switch to newer click (2.0)". Around 2 days down the line on Thursday, August 14th 2014 first time contributor Kyle P. Johnson wrote a tiny commit called "typos". More than 1 week down the line on August the 25th 2014 Armin Ronacher crafted a tiny commit claiming to "Converted a leftover old-style click callback." and a commit claiming to "Refactored the scripting interface greatly." whilst first time contributor James Brewer composed a tiny commit with the message "Add missing `of` to documentation.". The very same one authored a tiny commit described as "Updated intersphinx", a tiny commit described as "Added some missing documentation information.", a tiny commit described as "Removed ridiculous constructor from AppGroup", a tiny commit called "Added a missing self", a tiny commit claiming to "Removed dead import", a tiny commit called "Added support for PYTHONSTARTUP to shell command." and a tiny commit described as "Remove date tagging." on August the 26th 2014. Roundabout 1 day later on Wednesday, August 27th 2014 Armin Ronacher crafted a commit described as "Always log now, even if debug is off.", a commit described as "Removed deprecated module functionality", a tiny commit with the message "Added a changelog entry for modules." and a commit claiming to "Updated the logging documentation for recent changes." while Markus Unterwaditzer composed a tiny commit claiming to "Document building protocol-relative URLs". About 1 day down the road the very same one composed a commit called "Made FlaskGroup an AppGroup" and a tiny commit claiming to "AppGroups produce more AppGroups" whilst Markus Unterwaditzer authored a tiny bug removal commit called "Don't mention Flask dev releases anymore" on August 28th 2014. At the same time, first time contributor Paulo Bu wrote a tiny defect fixing commit called "Fix warnings and code styling in the doc" when first time contributor Aaron Schumacher crafted a tiny commit claiming to "typo: "weather" -> "whether"". First time contributor boreq crafted a tiny commit called "Added full_path to the Request object documentation." on August 31st 2014. On September the 2nd 2014 Armin Ronacher wrote a tiny commit described as "Added support for background loading of the application to speed up initial requests in dev mode.". Around 1 day later they themselves added a tiny commit described as "Removed leftover from the module system." whilst Markus Unterwaditzer authored a tiny defect fixing commit described as "Fix syntax error on py3" on Wednesday, September 3rd 2014. Simultaneously, Armin Ronacher created a commit with the message

"Added EXPLAIN_TEMPLATE_LOADING to help people debug templates not being loaded." and a tiny commit described as "Fixed a relative import" whilst Markus Unterwaditzer added a tiny defect fixing commit with the message "Fix Py3 compat bug". At the same time, they themselves crafted a tiny commit called "assert_ is assert_true", a tiny commit claiming to "Record blueprint registration order." and a tiny commit with the message "Fixed some cross linking in the docs". Markus Unterwaditzer authored a tiny bug removing commit called "Fix typo", a commit described as "Rewrite deployment docs" and a tiny commit described as "Shorten paragraph about builtin server" on September 6th 2014. On Tuesday, September 9th 2014 Carlos E. Garcia created a tiny commit called "minor spelling fixes". On August the 31st 2014 Markus Unterwaditzer authored a tiny commit claiming to "Remove run-simple.py", a tiny commit with the message "Move tests", a commit described as "Made tests recognizable", a huge commit called "Tests pass now." and a tiny commit with the message "Remove testsuite package from setup.py". About 1 day down the road the very same one authored a tiny commit claiming to "Update tox", a commit described as "Metadata change", a tiny commit described as "Some fixes", a tiny commit claiming to "Don't test old Werkzeug against py3", a commit with the message "Rework test_config" and a commit with the message "Move fixtures" on September 1st 2014. Markus Unterwaditzer created a tiny commit described as "Rework test_signals" and a gigantic commit with the message "Rewrite assertion methods" on September the 2nd 2014. Roundabout 1 day down the line the very same one authored a tiny fix commit described as "Fix assertion error", a commit described as "Remove class from test_views", a gigantic commit described as "WIP", a gigantic commit described as "Remove useless classes" and a commit with the message "Remove flask superclass" on September 3rd 2014. Roundabout 1 day down the road on September the 4th 2014 Markus Unterwaditzer composed a tiny commit called "Remove obsolete apps", a tiny commit claiming to "Add greenlet", a tiny commit called "Add note to memleak tests", a commit claiming to "Init global test_apps explicitly", a tiny commit claiming to "Remove old helper function", a commit described as "Remove fake extensions from test_apps", a tiny commit with the message "Remove more test_apps", a commit with the message "Rename fixture apps_tmpdir", a commit claiming to "Kill classes in test_testing", a commit called "Kill classes in test_regression", a gigantic commit called "Kill class in test_basic", a huge commit with the message "Split instance tests off into own file", a commit with the

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message "remove audit command" and a tiny commit called "Remove useless imports". They themselves crafted a commit with the message "Testsuite is not a package" on Saturday, September 6th 2014. Markus Unterwaditzer wrote a tiny commit claiming to "Add changelog" on Friday, September 12th 2014. Paulo Bu added a tiny commit claiming to "Update tests section in README file" on September 13th 2014. Roughly 1 day later the very same one created a tiny commit called "Adds 2 tests for Flask.run method" on September the 14th 2014. First time contributor tay-k composed a tiny fix commit called "fix filename of test files in README of examples" on September 18th 2014. Roughly 1 day later on September 19th 2014 first time contributor Kevin Funk crafted a tiny commit with the message "Update quickstart.rst". Defuz composed a tiny defect fixing commit described as "Fix typo in changelog" on Saturday, September 20th 2014. Markus Unterwaditzer wrote a tiny commit described as "Remove useless unittest imports" whilst Bill Mill added a tiny commit claiming to "some grammar fixes in appcontext" on September the 21st 2014. First time contributor Ben Darnell composed a tiny commit claiming to "Stop recommending Tornado as a WSGI server" on September the 25th 2014. About 2 days down the road on Saturday, September 27th 2014 first time contributor Nick Luchsinger wrote a tiny commit with the message "Minor typo in errorpages.rst" and a tiny commit claiming to "Minor typos in sqlite3.rst". Roughly 2 days down the road on September the 29th 2014 Markus Unterwaditzer composed a tiny commit described as "Don't include doc themes in sdist". Roundabout 4 days down the road first time contributor Davide Ceretti wrote a tiny commit called "Add unittest for appcontext_tearing_down signal" on October 3rd 2014. Roundabout 5 days down the road on October 8th 2014 Markus Unterwaditzer crafted a tiny bug fixing commit claiming to "Various fixes for test running". Roundabout 1 week down the road first time contributor INADA Naoki wrote a tiny commit claiming to "Deprecate request.json property" and a commit described as "Add test for deprecated flask.Request properties." on October 15th 2014. Exactly 3 days down the line first time contributor Augustus D'Souza crafted a tiny commit described as "Corrected api docs" on October 18th 2014. Markus Unterwaditzer added a tiny commit with the message "Add changelog entry for #1206" on October the 19th 2014. Matt Wright created a tiny commit claiming to "Pass keyword args from `test_client` method to client class constructor" on Monday, March 3rd 2014. More than 1 week down the road the very same one wrote a tiny commit described as "Add a little documentation

regarding kwargs in the `app.test_client()` method" on March 13th 2014. More than 31 weeks down the road on October 20th 2014 Matt Wright authored a tiny commit with the message "Add CHANGES entry and versionchanged entry to docstring". On October the 13th 2014 first time contributor Gilman Callsen created a commit called "Improve compression by removing whitespace from separators when using jsonify() and JSONIFY_PRETTYPRINT_REGULAR is False.". More than 1 week later on October 21st 2014 Markus Unterwaditzer composed a tiny commit with the message "PEP8". First time contributor Bryan Stitt added a tiny commit called "Update config.py" and a tiny commit called "Update config.py" on September the 19th 2014. Exactly 5 weeks later defuz created a tiny commit called "add tests for trim_namespace argument of app.config.get_namespace" on October 24th 2014. About 1 day later on October the 25th 2014 first time contributor Jeff Widman authored a tiny bug removing commit described as "Fix typo: "lated later" >> "added later"". Roundabout 1 day later on Sunday, October 26th 2014 Markus Unterwaditzer wrote a tiny bug fixing commit claiming to "Fix broken link" when defuz authored a commit called "set TEMPLATE_AUTO_RELOAD default value to None". Around 1 day later on October 27th 2014 first time contributor Petr Zemek added a tiny defect fixing commit described as "Fix two typos in the description of FlaskGroup.", a tiny commit with the message "Remove two redundant empty lines.", a tiny commit with the message "Change `== None` to `is None`.", a tiny commit described as "Put two spaces before inline comments when there is only one space.", a tiny commit claiming to "Unify the uses of "testsuite" vs "test suite".", a tiny commit claiming to "Unify the uses of "file system" vs "fileystem".", a tiny commit claiming to "Unify the uses of "urls" vs "URLs".", a tiny bug removal commit called "Fix a typo in the description of SecureCookieSession.", a tiny commit claiming to "Add a missing period in the description of the signals module.", a tiny commit with the message "Unify the uses of "sourcecode" vs "source code".", a tiny bug fixing commit claiming to "Fix a typo in a comment in MethodViewType.__new__." and a tiny commit called "Remove a redundant "the" in a comment.". Exactly 3 days down the road defuz created a tiny commit with the message "improve TEMPLATE_AUTO_RELOAD docs" on October the 30th 2014. On November 2nd 2014 they themselves authored a tiny commit described as "Using double-backticks: ``None``". First time contributor Mieszko wrote a tiny commit claiming to "Minor typos and spelling fixed" while first time contributor flowerhack added a tiny commit

claiming to "Tweaked sqlite3 documentation" on Monday, November 3rd 2014. Roundabout 1 day down the road on Tuesday, November 4th 2014 they themselves added a tiny commit claiming to "explain_template_loading_attempts: docstring ". Around 1 day down the road on Wednesday, November 5th 2014 defuz composed a tiny commit claiming to "docs: `HTTP` -> HTTP", a commit described as "docs: ``True``, ``False`` and ``None``", a commit called "docs: http method names like ``GET`` and ``POST``", a commit with the message "docs: :file:`app.py`, :file:`yourapp/templates`", a tiny commit called "docs: requirements.rst -> requirements.txt", a commit with the message "docs: :command:`pip`, :option:`--debug`", a commit with the message "docs: ``DEBUG``, ``SERVER_NAME``, ``PATH_INFO``", a commit described as "docs: :file:`/var/www/foo`, ``/static``", a tiny commit claiming to "docs: ``Flask-Uploads``, ``X-Forwarded-Host``", a tiny commit with the message "docs: ``

``, ``|safe``", a commit described as "docs: ``with``, ``for``, ``self``", a tiny commit called "docs: :mimetype:`application/json`", a commit with the message "docs: ``.html``, ``.py``", a tiny commit claiming to "docs: `script` -> ``script``", a tiny fix commit described as "docs: fix warnings", a tiny commit called "docs: :exc:`TypeError`", a tiny commit claiming to "docs: Don't touch markdown files", a tiny commit claiming to "docs: remove unnecessary colons" and a tiny commit with the message "docs: ``http://...``". Mieszko added a tiny commit described as "Minor typos fixed" and a tiny commit described as "Minor typos fixed" on Thursday, November 6th 2014. On Saturday, November 8th 2014 the very same one added a tiny commit with the message "Update sqlite3.rst". Roughly 4 days later Mieszko crafted a tiny commit with the message "Minor typos cont." on November the 12th 2014. More than 2 weeks down the line first time contributor David Cole created a tiny defect fixing commit called "Small Typo fix" on November 30th 2014. Around 2 days down the line Sven-Hendrik Haase added a tiny commit called "Update information about Python 3", a tiny commit claiming to "Admit the occasional encoding problem", a tiny commit called "Describe the nature of Python 3 roughness" and a tiny commit described as "Remove head lines and add versions of first Python 3 support" on December the 2nd 2014. First time contributor pkuphy authored a tiny commit with the message "Update api.rst" on December the 5th 2014. On November the 29th 2014 Marc Abramowitz added a tiny commit called "Make `jsonify` terminate responses with a newline".

More than 1 week down the road first time contributor Prakash Pandey authored a tiny commit claiming to "Fixed wording" on Tuesday, December 9th 2014. First time contributor Kevin Yap authored a tiny commit claiming to "Standardized capitalization of "GitHub" in docs" on December the 12th 2014. Around 3 days down the road first time contributor Jonathan Como composed a tiny commit claiming to "update mongokit patterng" on December the 15th 2014. Kevin Yap wrote a commit called "Grammatical fixes in Foreword and Tutorial" on Friday, December 12th 2014. Exactly 3 days down the line Jonathan Como wrote a tiny commit described as "verbage" on Monday, December 15th 2014. Roundabout 3 days down the road INADA Naoki created a tiny commit described as "Use new container based Travis-CI" on December the 18th 2014. Roundabout 1 week down the line first time contributor Wang Haowei crafted a tiny fix commit with the message "fix typo" on December 25th 2014. First time contributor Michael Hall created a tiny commit called "Fixed #1288: app.add_url_rule() should look for OPTIONS methods in a case-insensitive manner" on Wednesday, December 24th 2014. Exactly 2 days later on Friday, December 26th 2014 Markus Unterwaditzer authored a tiny commit described as "Add changelog for #1288". On Saturday, December 27th 2014 Armin Ronacher added a tiny commit described as "Hide a few traceback frames from the cli interface.". First time contributor Nic Young created a tiny bug removal commit claiming to "Fix grammar in testing doc." on December 29th 2014. On December 30th 2014 Markus Unterwaditzer composed a tiny bug removal commit called "Fix #1298" whilst first time contributor Sateesh authored a tiny commit described as "Update quickstart.rst". On January the 2nd 2015 first time contributor Parkayun created a commit called "Happy New Year 2015". Roughly 1 day down the road on January 3rd 2015 first time contributor Sourya Vatsyayan added a commit with the message "URL generation rule explained" and a commit claiming to "URL generation rule explained for file uploads". They themselves created a tiny commit called "Updated file uploads progress bar section" on January the 4th 2015. More than 1 week later Jochen Kupperschmidt wrote a tiny commit described as "Added missing import." when first time contributor Brett Gerry wrote a tiny commit described as "deprecate TextField in favor of StringField" on January the 13th 2015. First time contributor Carlos Eduardo Rivera added a tiny commit claiming to "grammar fixes" on January the 16th 2015. Roughly 1 day down the line on January 17th 2015 Markus Unterwaditzer created a tiny defect fixing commit claiming to "Add readme to persona

example". Exactly 4 days later first time contributor Bruce Sutherland added a tiny commit called "Clarify contents of request properties.", a tiny commit with the message "Update api.rst" and a tiny commit claiming to "Show requested URI as suggested by untitaker." on January 21st 2015. Around 1 day down the line on January 22nd 2015 they authored a tiny commit with the message "Wrap text." when first time contributor Ben Jones created a tiny commit described as "Add datetime.date support to JSONEncoder". Roundabout 1 day down the line on Friday, January 23rd 2015 Markus Unterwaditzer added a tiny commit claiming to "link to relevant PR". On January the 28th 2015 first time contributor Christopher Bunn authored a tiny commit described as "Fixed minor docstring typo for teardown_request()". Roughly 4 days down the line first time contributor Philip House created a tiny commit claiming to "Update api.rst, fixed spelling" on February 1st 2015. First time contributor Chris Rebert crafted a tiny bug fixing commit claiming to "fix grammar in preprocess_request() docstring", a tiny commit claiming to "Document required signature of before_request functions", a tiny commit called "Document that the return values of teardown functions are ignored" and a tiny commit called "Document required signature of before_first_request-decorated functions" while Markus Unterwaditzer crafted a tiny commit with the message "Add testcase for behavior described in #1338" on February the 5th 2015. Adrian created a tiny commit with the message "Use PEP440-compatible dev version" whilst Markus Unterwaditzer authored a tiny commit described as "Avoid duplication of version info" and a tiny fix commit claiming to "Fix test under Python 3" on February the 6th 2015. At the same time, first time contributor Keyan Pishdadian authored a commit called "Early commit for issue #1135" when Chris Rebert crafted a tiny commit claiming to "make test_request_preprocessing_early_return more thorough". On Saturday, February 7th 2015 first time contributor Edward Z. Yang crafted a tiny commit claiming to "Remove bad security advice about send_file.". On February 9th 2015 Jeff Widman composed a tiny commit called "Grammer and readability fixes". Roughly 1 day later on Tuesday, February 10th 2015 Keyan Pishdadian composed a commit claiming to "Add lib2to3 fixer base code". Exactly 1 day later the very same one authored a commit with the message "Change parsing format to use AST via RedBaron", a tiny commit claiming to "Cleanup", a bug fixing commit claiming to "Support "import flask.ext.foo" format", a tiny commit called "Add wrapper for testing fixing functionality", a tiny commit described as "Change wrapper logic for testing", a commit with

the message "Add tests, remove manual testing file #1135" and a tiny defect fixing commit called "Fix issue with wrapper logic" on February 11th 2015. Around 1 day down the road on February the 12th 2015 Keyan Pishdadian crafted a defect fixing commit claiming to "Add test for naming module and fix logic to cover", a commit with the message "Move test file, add RedBaron to tox.ini" and a commit with the message "Add a test and cover edge case with parens". Roughly 1 day later on February the 13th 2015 the very same one crafted a commit claiming to "Add support for function call fixing, add tests", a tiny commit with the message "Remove hardcoded 'foo'" and a commit called "Add test and logic for attribute access calls". Around 1 day down the line Keyan Pishdadian crafted a tiny commit described as "Update comments to reflect new functionality" on Saturday, February 14th 2015. Around 1 day down the road they themselves added a tiny commit with the message "Update comments to reflect new functionality" on Sunday, February 15th 2015. On February 18th 2015 Markus Unterwaditzer composed a tiny commit called "Add @keyanp to authors, sort list". Around 1 day down the road first time contributor Idris Raja crafted a tiny commit claiming to "improve grammar, make format consistent, and improve readability" on February the 19th 2015. On Wednesday, February 25th 2015 Keyan Pishdadian crafted a tiny bug fixing commit claiming to "Add skip to fix unnoticed bug with good imports". They created a tiny commit described as "Add exception details to response" on Saturday, February 28th 2015. Keyan Pishdadian added a tiny commit with the message "Make exception contents conditional on DEBUG" on March the 2nd 2015. Exactly 2 days down the line Markus Unterwaditzer authored a tiny commit claiming to "Restructure Upload Progress Bars" while Keyan Pishdadian created a tiny commit called "Change logic to support when current_app is not available", a tiny commit claiming to "Add tests for adding exception to response contents only when DEBUG is True", a tiny commit with the message "Change tests to support older response format" and a tiny commit described as "Change strings to bytes to support Python3, typo in function name" on March 4th 2015. About 1 day down the line Keyan Pishdadian wrote a tiny commit described as "Change to hardcoding exception contents to support Python3 json loading exception format", a tiny commit called "Changed error message to include actual exception contents", a tiny commit called "Change format index to support Python 2.6" and a tiny commit called "Remove unused import and clean control flow" while Markus Unterwaditzer composed a tiny defect fixing commit with the

message "Fix typo in changelog" and a tiny commit claiming to "Untangle logic a bit" on March the 5th 2015. Meanwhile, the very same one composed a tiny commit called "Update README for clarity and to remove redundancy" whilst Markus Unterwaditzer authored a tiny bug removal commit called "Fix broken link". At the same time, Keyan Pishdadian added a tiny commit described as "Change wording for clarity and accuracy". On March the 8th 2015 Adrian authored a tiny commit called "Configure pytest's norecursedirs". Around 3 days down the road on Wednesday, March 11th 2015 first time contributor Winston Kouch crafted a tiny commit claiming to "Add extensions section to Quickstart documentation". First time contributor Caleb Bron added a tiny commit claiming to "link to sqlalchemy declarative has changed" when Winston Kouch crafted a tiny commit claiming to "Add import flask module required to run code on Other Testing Tricks" on March 12th 2015. More than 1 week down the line Markus Unterwaditzer added a tiny commit claiming to "Always run memory tests" on March 22nd 2015. On March 23rd 2015 first time contributor Martijn Pieters added a commit called "Switch away from using None as default value for the exception when tearing down a context." and a tiny commit described as "If this patch gets accepted I may as well be added here." while Markus Unterwaditzer wrote a tiny commit claiming to "Changelog for #1393". On March 29th 2015 Markus Unterwaditzer composed a commit claiming to "Don't use threads in this test" and a revert-commit described as "Revert "Don't use threads in this test"". Roundabout 2 days later on March the 31st 2015 the very same one wrote a commit described as "Add contributing file" while first time contributor Torstein Krause Johansen added a tiny commit with the message "Added note that @errorhandler(500) isn't triggered in debug mode" and a tiny commit claiming to "Moved noted about HTTP 500 before the code examples". At the same time, first time contributor Charles Chan added a tiny commit claiming to "Added OpenShift as a free hosting provider alternative". First time contributor Brandon Sandrowicz crafted a tiny fix commit called "Fix Possible Typo" on March 27th 2015. Around 1 week down the line first time contributor Alex Chan added a tiny bug fixing commit with the message "Fix a few spelling mistakes in the docs" on Friday, April 3rd 2015. Exactly 3 days down the road Adrian created a tiny commit called "Allow custom jinja environments" on Monday, April 6th 2015. On December 23rd 2014 first time contributor Phil Schaf authored a commit described as "Fixed and intuitivized exception handling" and a commit described as "Switched to userdict for obsolete

Python versions". Roughly 2 days later they composed a tiny commit claiming to "Removed unused http code get function" on December the 25th 2014. On Sunday, December 28th 2014 Phil Schaf composed a tiny commit claiming to "More verbose message for old broken behavior", a tiny commit described as "Removed 500 not being registerable for blueprints" and a commit called "removed ExceptionHandlerDict". Exactly 6 days later the very same one authored a tiny commit described as "added caching" on January the 3rd 2015. Around 14 weeks down the road Phil Schaf authored a tiny commit with the message "addressed a few review concerns", a commit called "Added docs for the error handler rework", a tiny commit described as "added info about an exception being raised for the old and broken behavior", a tiny commit called "slimmed down error handling intro" and a tiny commit called "some details" when Markus Unterwaditzer created a commit called "Recursively traverse MRO of exception" and a bug removal commit called "Fix formatting errors" on April 11th 2015. More than 1 week down the road first time contributor ning.xie wrote a tiny bug fixing commit claiming to "fix pep8 with logging.py" on April the 19th 2015. More than 1 week later on April the 30th 2015 Markus Unterwaditzer composed a tiny commit with the message "Errorhandlers were NOT *added* in 1.0". First time contributor Ford Hurley wrote a tiny commit called "Mention that custom converters can be defined for url routes" while first time contributor Matthias Bussonnier authored a tiny commit with the message "importlib deprecated in 3.5." on May the 1st 2015. First time contributor Shuhrat Dehkanov wrote a tiny commit claiming to "Replace 'I' with 'We'" while first time contributor Nick Janetakis added a tiny commit with the message "Add pip install --editable . to contributing docs" on Wednesday, May 6th 2015. First time contributor Jon Banafato composed a tiny commit claiming to "Add X-Forwarded-Proto to proxy setup example" on Saturday, May 9th 2015. Roughly 5 days down the road first time contributor Justin Poehnelt added a tiny commit with the message "fixed import of werkzeug secure_filename" on Thursday, May 14th 2015. About 6 days later Wang Haowei crafted a tiny fix commit with the message "fix docstring for _find_errorhandler" on May the 20th 2015. More than 1 week down the road on Sunday, May 31st 2015 Markus Unterwaditzer composed a tiny fix commit claiming to "Clarify some docs". First time contributor Joshua Carp authored a commit with the message "Handle empty deque on errorhandler lookup." on June 2nd 2015. On June the 6th 2015 Markus Unterwaditzer crafted a tiny commit described as "0.11 => 1.0" and a tiny commit claiming to

"Changelog for #1422". On Thursday, December 11th 2014 first time contributor Andrew created a tiny commit with the message "Include backend argument when instantiating Celery". More than 25 weeks down the road Markus Unterwaditzer created a tiny commit called "Show original autodoc signatures" on June the 6th 2015. On October the 25th 2014 Jeff Widman crafted a tiny commit claiming to "Correct the order of suggested syntax for extension imports". Around 1 day down the road Markus Unterwaditzer composed a tiny commit called "Add changelog for #1218" on October the 26th 2014. Daniel Neuhäuser added a commit claiming to "Drop Extension==dev requirement", a tiny commit described as "Drop Python 2.6 minimum requirement for extensions" and a tiny commit with the message "Require Python 3.3 and higher for extensions" on April 26th 2014. About 1 day later on April 27th 2014 the very same one added a tiny commit with the message "Don't allow namespace packages anymore" and a tiny bug fixing commit claiming to "Fix wording". More than 25 weeks later on Saturday, October 25th 2014 Jeff Widman added a tiny commit described as "Some grammar and typo fixes". Roundabout 32 weeks down the line Markus Unterwaditzer wrote a tiny bug fixing commit with the message "Fix #1195" and a tiny commit described as "Rename jinja_env_class" on Saturday, June 6th 2015. On March the 9th 2015 Keyan Pishdadian created a tiny commit with the message "Update send_file() docs to clarify encoding requirement #1286". Roundabout 13 weeks down the line on June 8th 2015 Markus Unterwaditzer crafted a tiny commit claiming to "Point to stable version of Celery". On June 10th 2015 first time contributor Vincent Driessen added a tiny commit with the message "Remove the word `trivially` here" when Markus Unterwaditzer crafted a commit called "Deduplicate signals docs". Markus Unterwaditzer crafted a tiny commit claiming to "Document static_folder" on June 11th 2015. On June 12th 2015 first time contributor GunWoo Choi added a tiny commit claiming to "Update title of docstring in flask.cli". Roughly 1 day down the line Markus Unterwaditzer wrote a tiny defect fixing commit with the message "Fix #1477" whilst first time contributor Menghan composed a tiny commit called "Replace 'Werkzeug' to 'Flask'" on June 13th 2015. They wrote a tiny commit with the message "Don't pass version to tox explicitly" on June 17th 2015. On Monday, March 23rd 2015 first time contributor Alexander Pantyukhin crafted a commit claiming to "before_render_template signal" and a tiny defect fixing commit called "fix endline in the signal.py". On March the 24th 2015 first time contributor Alexander Pantyukhin composed a commit with the

message "before_render_template signal can override render template.", a tiny fix commit with the message "fix test_signals" and a tiny defect fixing commit with the message "fix test_signals". Roundabout 6 days down the line they authored a tiny commit claiming to "template overrides handling changed" on Monday, March 30th 2015. More than 1 week down the line Alexander Pantyukhin created a commit claiming to "Ignore before_render_template return values" on April 7th 2015. More than 10 weeks down the road on June the 17th 2015 they crafted a tiny commit called "Changes and docs are modified.". On June the 20th 2015 Adrian added a commit called "Add pop and setdefault to AppCtxGlobals" and a tiny commit called "Remove the deprecated Flask.modules property". Roughly 6 days down the road on June the 26th 2015 first time contributor Zev Averbach composed a tiny commit described as "fixed some punctuation, fixed a few errors, in service of readability". Around 4 days down the road first time contributor Alan Hamlett authored a tiny commit with the message "remove whitespace at end of lines" and a commit claiming to "Enable autoescape for `render_template_string`" on June 30th 2015. First time contributor Jimmy McCarthy wrote a commit called "Add kwarg to disable auto OPTIONS on add_url_rule" on June 8th 2015. More than 4 weeks down the line they crafted a tiny commit called "Updated changelog" on Tuesday, July 7th 2015. Exactly 5 days down the line first time contributor Aayush Kasurde wrote a tiny defect fixing commit described as "Added fix for issue 1529" on Sunday, July 12th 2015. Around 2 days down the line first time contributor Wayne Ye authored a tiny commit with the message "Fixed gevent introduction to use libev instead of libevent" on July the 14th 2015. Exactly 2 days down the road first time contributor Christian Becker added a tiny commit claiming to "make external_url_handler example py3 compliant" on July the 16th 2015. The very same one wrote a tiny defect fixing commit described as "fix UnboundLocalError in handle_url_build_error" on July 15th 2015. Roughly 1 day down the line Markus Unterwaditzer wrote a tiny commit claiming to "Changelog for #1533" whilst Christian Becker created a tiny reverting commit called "Revert "make external_url_handler example py3 compliant"" on July 16th 2015. First time contributor Mathias J. Hennig authored a tiny commit claiming to "Reimplement function with_metaclass()" on July the 22nd 2015. They themselves wrote a tiny commit with the message "Addressing feedback from pull request" on July 27th 2015. More than 3 weeks down the road on Saturday, August 22nd 2015 first time contributor Jonas Gröger wrote a

tiny commit described as "Update uwsgi/nginx deployment documentation" and a tiny commit with the message "Mention virtual environments in uwsgi/nginx deployment docs". On August 27th 2015 first time contributor msiyaj composed a tiny commit claiming to "Missing apostophe.". More than 2 weeks down the line on Monday, September 14th 2015 Jimmy McCarthy composed a tiny commit claiming to "provide_automatic_options as explicit arg" and a tiny commit described as "Update change log". More than 2 weeks later on October the 1st 2015 Armin Ronacher composed a commit called "Added lineart logo" and a tiny commit described as "Ignore build folder". They themselves wrote a tiny commit with the message "Fixed some lint warnings" on October the 2nd 2015. More than 1 week down the road on Thursday, October 15th 2015 first time contributor Nadav Geva composed a tiny bug removing commit called "Fix name mismatch in apierrors page". On Tuesday, October 20th 2015 first time contributor Abhijeet Kasurde crafted a commit described as "Updated documentation for Setuptools". On October 23rd 2015 first time contributor hidavy added a tiny commit called "Update CHANGES". Roundabout 1 day down the line on Saturday, October 24th 2015 first time contributor Timo Furrer added a commit called "support timedelta for SEND_FILE_MAX_AGE_DEFAULT config variable" and a tiny commit with the message "add python 3.5 build to travis config". First time contributor Michael Klich added a tiny commit called "Add info about working with VE and Python 3" on October the 29th 2015. First time contributor David Lord crafted a tiny commit described as "Link article about deploying on Azure/IIS" on October the 31st 2015. On November the 4th 2015 first time contributor wodim added a tiny bug removing commit described as "Fix typo in templating.rst" while first time contributor Eric Yang composed a tiny bug removing commit described as "Fix a typo". Lord63 crafted a tiny bug removing commit called "Fix typo in app_ctx_globals_class doc in app.py" on November the 7th 2015. Around 4 days down the road on Wednesday, November 11th 2015 first time contributor Daniel Thul wrote a tiny bug removal commit claiming to "Fix typo.". More than 1 week down the road first time contributor Ivan Velichko wrote a commit claiming to "Allow to specify subdomain and/or url_scheme in app.test_request_context()" on November 20th 2015. Lord63 created a tiny commit claiming to "Render the code block in mongokit.rst" on Sunday, November 22nd 2015. On Thursday, November 26th 2015 first time contributor Redian composed a tiny commit with the message "Add .cache dir to gitignore" while first

time contributor Redian Ibra wrote a tiny commit described as "Skip test if redbaron is not installed". Exactly 5 days down the road David Lord wrote a tiny commit called "ignore pycharm config" on Tuesday, December 1st 2015. About 2 days down the road on Thursday, December 3rd 2015 first time contributor Dougal Matthews authored a tiny commit described as "Fixed a typo" when David Lord crafted a tiny commit described as "add myself to authors", a tiny commit described as "use https instead of git protocol" and a tiny commit called "use https instead of git protocol". First time contributor accraze authored a tiny commit called "added note about directory permission syntax change" on December the 9th 2015. Lord63 composed a tiny commit with the message "Remove with_statement in flask/ctx.py" on Sunday, December 13th 2015. Roughly 1 week down the road on Sunday, December 20th 2015 they composed a tiny commit claiming to "Clarify the python versions that flask supports". Exactly 1 week later on Sunday, December 27th 2015 first time contributor AvivC authored a tiny commit claiming to "Clarified CONTRIBUTING.rst". On Wednesday, December 30th 2015 Jeff Widman composed a tiny commit called "Update `tox` installation instructions to point to PyPI". Roughly 3 days down the line Miguel Grinberg created a tiny commit claiming to "Werkzeug should not block propagated exceptions from Flask" on Saturday, January 2nd 2016. On January 5th 2016 AvivC composed a tiny commit called "Clarified the docstring in method Flask.preprocess_request.". Around 5 days down the line first time contributor nivm wrote a tiny commit with the message "remove 'flask' from etags to obscure server technologies" on January 10th 2016. On Wednesday, December 30th 2015 Jeff Widman composed a bug removing commit claiming to "Add support for serializing top-level arrays to JSON". More than 3 weeks down the line on January 25th 2016 they crafted a tiny commit called "Cleanup jsonify() function" when David Lord wrote a tiny commit claiming to "clean up". More than 1 week down the road Adrian created a tiny commit with the message "Add missing return to g.setdefault" on February 2nd 2016. On February the 3rd 2016 lord63 composed a tiny bug removing commit described as "Fix typo". The very same one crafted a tiny commit called "Update app.py" on February 4th 2016. Around 4 days later first time contributor Prayag Verma composed a tiny bug fixing commit described as "Fix a typo" on February the 8th 2016. Around 1 day down the line first time contributor Eric Dill composed a tiny commit called "DOC: Remove gendered language" on Tuesday, February 9th 2016. More than 1 week later on February 19th 2016 first

time contributor Brian Welch created a tiny commit described as "Update MANIFEST.in with simpler template commands". Roundabout 2 weeks later on Friday, March 4th 2016 first time contributor Reuven composed a commit called "Use pytest.raises() instead of try/catch with asser 0". First time contributor Gaëtan Petit composed a tiny commit called "Update deprecated references" on March the 8th 2016. Around 3 days later first time contributor Ethan Rogers created a tiny defect fixing commit described as "Fix minor typo in security doc" on Friday, March 11th 2016. Around 4 days later on March 15th 2016 first time contributor whiteUnicorn added a tiny commit described as "Replace ';' to ','". More than 1 week down the road first time contributor Austen D'Souza created a tiny commit called "Fixed typo" while first time contributor gunbei added a tiny commit called "update get-pip.py location" on March 23rd 2016. On Sunday, March 27th 2016 first time contributor Matt Robenolt created a tiny commit called "Run bdist_wheel as a part of release process". On April 2nd 2016 first time contributor lord63 composed a tiny commit called "Add two missing converters for flask in the docs" while first time contributor bagratte composed a commit with the message "minor revision of documentation.". Meanwhile, Shipeng Feng composed a tiny commit with the message "Fixed stream_with_context if decorated function has parameters" whilst Markus Unterwaditzer added a fix commit claiming to "Deprecate flask.ext". Concurrently, first time contributor David Hou crafted a tiny commit described as "Raise BadRequest if static file name is invalid" when Markus Unterwaditzer added a tiny commit claiming to "Changelog for #1484" and a tiny commit called "Changelog for #1763". First time contributor José Carlos García composed a commit called "Change to Pallets project" on Sunday, April 3rd 2016. On October the 4th 2015 first time contributor Steffen Prince added a tiny commit described as "docs: run() should not be used in production". More than 7 weeks down the road first time contributor Stéphane Raimbault wrote a tiny commit described as "Extend documentation about uwsgi/nginx deployment" on November the 28th 2015. More than 18 weeks later Keyan Pishdadian composed a commit described as "Remove extmigrate from Flask repo" on Monday, April 4th 2016. On April 5th 2016 first time contributor Winston Kouch added a tiny commit described as "Add note to not use plain text passwords to views.rst". Exactly 1 day down the road on April the 6th 2016 Jeff Widman authored a tiny commit claiming to "Remove dotCloud host instructions". Roundabout 2 days down the road first time contributor Daniel Quinn authored a tiny bug fixing commit claiming to "The

comment didn't make any sense (#1777)" whilst Adrian crafted a tiny commit described as "Correct spelling for Stack Overflow" on April the 8th 2016. At the same time, first time contributor Steven Loria authored a tiny commit described as "Add JSONIFY_MIMETYPE configuration variable (#1728)". Daniel Quinn created a tiny bug removal commit claiming to "Fix typo (thing --> things)" while David Lord added a defect fixing commit with the message "fix some warnings while building docs" on April 11th 2016. More than 3 weeks down the line first time contributor Corey Goldberg crafted a commit claiming to "update docs and refer to setuptools" on Tuesday, May 3rd 2016. On May the 4th 2016 Miguel Grinberg created a tiny commit described as "minor rewording of get_json documentation for clarity (#1781)" while first time contributor Corey Goldberg authored a tiny commit with the message "removed references to easy_install". First time contributor Stefan Wójcik created a tiny bug fixing commit claiming to "fix a grammar mistake (#1798)" on Thursday, May 5th 2016. First time contributor Benjamin Dopplinger added a tiny bug removing commit described as "Fix "with" formatting in doc" on May 9th 2016. Roughly 1 week down the road on Monday, May 16th 2016 first time contributor Jannis Leidel authored a commit called "Forward ported CLI tests from Flask-CLI and fixed a bug with the CLI's name. (#1806)". First time contributor Frédéric Chapoton crafted a tiny commit called "turn 2 prints to py2/py3 compatible syntax (#1812)" on May 20th 2016. Around 2 days later on May the 22nd 2016 Armin Ronacher added a tiny commit called "Always run gc before leak test", a tiny commit with the message "Resolve state issue for url_for with forced scheme" and a commit called "Fast path for disabled template load explain." whilst first time contributor Thomas Sanjurjo added a tiny commit described as "Addressing Issue 1809 (#1811)". Around 1 day down the road on May the 23rd 2016 Adrian created a commit with the message "s/1.0/0.11/ in versionadded/versionchanged markers". Exactly 1 day down the road first time contributor dataforger added a tiny bug fixing commit claiming to "fix docstring (#1818)" on May 24th 2016. Around 2 days down the line on Thursday, May 26th 2016 Armin Ronacher composed a commit described as "Implemented simplified CLI interface", a commit claiming to "Update docs to the new CLI patterns", a tiny commit claiming to "More doc updates for FLASK_APP", a commit claiming to "1.0 -> 0.11 in the docs", a tiny commit claiming to "Change changelog to 0.11", a commit called "Added plugin support to the cli", a commit with the message "Improve application context popping" and a commit claiming

to "Added sentry to docs". On May 27th 2016 they composed a tiny commit with the message "Incorporated ThiefMaster's suggestions for docs". About 2 days later Armin Ronacher added a tiny commit called "Release is near", a tiny commit claiming to "Do not bump version in setup.py", a tiny commit called "Bump version number to 0.11" and a tiny commit claiming to "This is 0.12-dev" when Markus Unterwaditzer created a tiny fix commit called "quickstart: Remove reference to `python hello.py`" on May the 29th 2016. At the same time, first time contributor Adam Chainz composed a tiny commit described as "Convert readthedocs link for their .org -> .io migration for hosted projects (#1827)" when first time contributor Ionuț Arțărişi crafted a tiny commit claiming to "Show line which caused the DeprecationWarning (#1831)". On May the 30th 2016 Jochen Kupperschmidt added a tiny commit called "Fixed link in changelog to documentation. (#1833)". On May the 31st 2016 first time contributor Yoav Ram created a tiny commit with the message "Update help to > set FLASK_APP=hello.py (#1830)" whilst Jochen Kupperschmidt crafted a tiny bug removal commit described as "Fix typo in cli docs". At the same time, Frédéric Chapoton composed a tiny commit claiming to "a few more python3-compatible print (#1840)". On Thursday, June 2nd 2016 Armin Ronacher created a tiny commit called "Added test-requirements.txt. Refs #1835" while first time contributor RamiC authored a tiny commit with the message "Add a --version switch to flask cli" and a tiny commit called "Use the whole sys.version string". Simultaneously, they created a tiny commit called "Update CHANGES" while first time contributor James Farrington wrote a tiny commit claiming to "Fixed #1846". Concurrently, first time contributor Prachi Shirish Khadke composed a tiny commit claiming to "Document flash message size limit" when first time contributor Hyunchel Kim created a tiny commit described as "Add issue template, resolves #1773". Simultaneously, first time contributor Emily Manders crafted a tiny commit claiming to "Added link to deploying documentation" whilst first time contributor Ryan Backman authored a tiny commit described as "Document Runtime Error when running outside of application context". Meanwhile, first time contributor Anton Sarukhanov crafted a tiny bug removing commit claiming to "Add subclassing pattern/example to fix issue #221." while Adrian wrote a tiny commit described as "Improve GitHub issue template". Meanwhile, David Lord added a tiny revert-commit claiming to "Revert "Adds simplejson as a testing target." (#1865)" when Anton Sarukhanov created a tiny commit described as "Rewrite subclassing example with a better

use-case.". At the same time, first time contributor Jason Brazeal added a tiny commit described as "improved documentation for config.from_object (#1870)" whilst first time contributor jphilipsen05 wrote a tiny commit claiming to "Coverage for test_static_path_deprecated and test_static_url_path (#1860)". Simultaneously, first time contributor Hyunchel Kim crafted a tiny commit claiming to "Add a link to Extension Development (#1875)". On Friday, June 3rd 2016 first time contributor wldtyp authored a tiny defect fixing commit called "Tutorial: Note extensions for encrypting passwords (#1854)" while Markus Unterwaditzer crafted a commit described as "Use recwarn everywhere", a tiny commit called "More explicit warning categories" and a commit claiming to "Eliminate some resource warnings". First time contributor Dan Sully composed a bug removing commit called "Remove deprecation warnings for add_etags & mimetype guessing for send_file()" on June 2nd 2016. Exactly 1 day down the road on June 3rd 2016 first time contributor James Farrington added a tiny commit called "Tests with and without simplejson for every existing testenv (#1869)" whilst jphilipsen05 authored a tiny commit claiming to "fixed unmatched elif (#1872)". First time contributor Josiah Philipsen crafted a tiny commit with the message "fixed unmatched elif" on Thursday, June 2nd 2016. Around 1 day down the line Markus Unterwaditzer composed a tiny commit with the message "Changelog for #1872" while first time contributor dawran6 created a tiny commit called "Add negative test for json.jsonify (#1876)" on June the 3rd 2016. Concurrently, first time contributor Josh authored a tiny commit with the message "Expanding contribution documentation (#1883)" whilst dawran6 crafted a tiny commit called "Enhance code coverage for Blueprint.endpoint". At the same time, first time contributor Zev Averbach composed a tiny commit called "enumerates the states in which code is executed...". On June the 4th 2016 first time contributor RamiC wrote a tiny commit claiming to "Mention the template name conflict issue in blueprint templates docs (#1843)" when first time contributor Giampaolo Eusebi added a commit described as "Make safe_join able to safely join multiple paths" and a commit called "Add tests for safe_join". About 1 day later Hyunchel Kim authored a tiny commit with the message "Test side effect (#1889)" on June 5th 2016. Prachi Shirish Khadke created a tiny commit called "Add last_modified arg for send_file" on June 2nd 2016. David Lord wrote a commit with the message "pass value directly to last_modified" on Sunday, June 5th 2016. First time contributor Shawn McElroy created a tiny commit

called "updating docs and showing how to use `setup.cfg` to configure dev builds with sdist" on June 2nd 2016. Roughly 3 days down the line on Sunday, June 5th 2016 David Lord authored a commit with the message "move setup.cfg info to setuptools docs, reword" and a commit called "use pip instead of setup.py in fabric command". On Thursday, June 2nd 2016 first time contributor Ping Hu created a tiny commit with the message "Add clarification for login_required decorator ref #313". David Lord created a commit claiming to "move note about next param, add example, other cleanup" on Sunday, June 5th 2016. First time contributor alatar- composed a tiny commit claiming to "Update documentation about python 3 support in Flask, resolves #1578" on June the 2nd 2016. On June 5th 2016 David Lord crafted a commit described as "clean up py3 info more". Ryan Backman created a tiny commit described as "Clarify wording in App Context documentation. (#1890)" while Markus Unterwaditzer added a tiny defect fixing commit with the message "Fix several typos in python3.rst" on Monday, June 6th 2016. Meanwhile, first time contributor avborhanian composed a tiny defect fixing commit described as "Updating url in errorhandling.rst to a valid link". Anton Sarukhanov created a tiny commit described as "Add test for find_default_import_path" while Markus Unterwaditzer authored a tiny commit with the message "Bump version to 0.11.1" and a tiny commit claiming to "This is 0.11.2-dev" on Tuesday, June 7th 2016. On June 8th 2016 RamiC authored a commit called "Allow per blueprint json encoder decoder" and a tiny revert-commit with the message "Check for a request ctx before using the request." whilst Anton Sarukhanov crafted a commit claiming to "Added make target for test coverage, documented make commands". On June 13th 2016 Markus Unterwaditzer authored a tiny bug removing commit called "Fix PyPy3 support and add bug references". On June the 14th 2016 first time contributor Dave Barker wrote a tiny commit described as "Enable template auto-reloading in app.run()" while Markus Unterwaditzer composed a tiny reverting commit claiming to "Revert "Addressing Issue 1809"". About 1 day down the line they authored a tiny commit with the message "Add test for new template auto reload debug behaviour" and a tiny commit with the message "Remove unnecessary werkzeug mock attribs from test" on June 15th 2016. On June the 14th 2016 first time contributor Leo Tindall created a tiny commit claiming to "Documentation: Clarify instructions about changing row_factory for SQLite3 (#1573)". First time contributor Archie Roller composed a tiny fix commit described as "Fix #1911 (#1913)" on June 15th 2016. First

time contributor dcfix composed a tiny commit claiming to "Demonstrate how to add multiple urls to the same function endpoint #981 (#1900)" on Thursday, June 16th 2016. Exactly 3 days later on Sunday, June 19th 2016 first time contributor Baptiste Fontaine wrote a tiny commit called "wtforms: Add missing closing tags in example (#1917)". Roundabout 2 days down the road first time contributor Sudheer Satyanarayana wrote a tiny fix commit claiming to "Fix small typo in python3 docs" on June 21st 2016. Exactly 1 day down the line first time contributor Ameya Pandilwar added a tiny commit described as "Update documentation for upgrading Flask using 'pip' command (#1918)" while David Lord authored a tiny revert-commit called "Revert "wtforms: Add missing closing tags in example (#1917)"" and a tiny commit described as "remove unnecessary form action attributes" on Wednesday, June 22nd 2016. David Lord added a tiny commit described as "re-add passthrough_errors to cli runner (#1928)" on June the 23rd 2016. On Sunday, April 26th 2015 first time contributor Kiss György authored a tiny commit described as "Added routes command, which shows all the endpoints registered for the app.". More than 51 weeks down the road on June 25th 2016 the very same one crafted a commit described as "Added tests, fixed some minor alignment problems." and a tiny commit claiming to "Added runner fixture". David Lord added a bug removal commit described as "clean up code formatting in some docs" while first time contributor georgschoelly created a tiny bug fixing commit described as "fix docs: name of url_value_preprocessor method (#1932)" on June the 26th 2016. On June the 28th 2016 first time contributor Antoine Catton authored a commit called "Add the ability to combine MethodViews". On July 2nd 2016 first time contributor John Still authored a tiny commit described as "clarify blueprint 404 error handling in docs". Roughly 3 days down the line on Tuesday, July 5th 2016 first time contributor Olexander Yermakov wrote a commit with the message "Update installation documentation for using 'pip' command (#1920)" whilst first time contributor Hyunchel Kim created a tiny commit claiming to "Enhance tests.test_cli.test_find_best_app (#1882)". Meanwhile, first time contributor Kyle Lawlor added a fix commit described as "Address #1902: Converts example/flaskr to have a setup.py (#1945)". David Lord added a commit described as "persona is discontinued, remove example" on Wednesday, July 6th 2016. More than 1 week down the line on July 16th 2016 first time contributor Shakib Hossain wrote a tiny commit with the message "Update allowed_file function in fileuploads.rst". More than 1 week later first time contributor

Ioan Vancea authored a tiny commit called "Added a missing module to import statement" whilst first time contributor ahmedakef wrote a tiny commit called "close

- tag in lines (16,18) (#1951)" on July 28th 2016. On July the 29th 2016 Jeff Widman added a tiny commit with the message "Remove unused Redbaron dependency (#1967)". About 5 days down the line on August 3rd 2016 first time contributor Auke Willem Oosterhoff wrote a tiny commit described as "Use path of socket consistently accross document. (#1976)". More than 1 week down the line first time contributor Nate Prewitt crafted a tiny commit called "adding in try around __import__ to catch invalid files/paths (#1950)" on August 12th 2016. First time contributor Adam Byrtek added a tiny commit with the message "JSON support for the Flask test client" and a tiny commit with the message "Use `content_type` kwarg instead of manipulating headers" on March 29th 2015. On April 1st 2015 they themselves composed a tiny commit described as "Use proper exception type and update changelog" and a commit described as "JSON response tests and first draft of code that passes". Roughly 1 day down the road Adam Byrtek wrote a commit called "Mixin for JSON decoding code shared between request/response", a tiny commit claiming to "Remove redundant `cache` flag", a tiny commit claiming to "Update the testing documentation" and a tiny commit with the message "Alternative solution for lack of response caching" on April 2nd 2015. On April 6th 2015 they themselves crafted a commit called "Updates after code review", a commit claiming to "Use app_ctx instead of request_ctx to access the app" and a tiny commit claiming to "Update documentation to use the getter only once". Adam Byrtek crafted a tiny commit described as "Documentation updates" on April 12th 2015. More than 24 weeks down the line on September 28th 2015 they themselves wrote a commit described as "Remove _missing sentinel and update docs". More than 46 weeks later Markus Unterwaditzer created a tiny commit described as "testing: Make json a keyword arg", a tiny commit described as "Remove already defined method" and a tiny commit described as "Bugfix: EnvironBuilder doesn't take `json`" when first time contributor teichopsia- crafted a tiny commit described as "Update testing.rst (#1987)" on August the 19th 2016. Around 1 day down the road first time contributor SaturnR added a tiny commit claiming to "Update for python3 (#1973)" when Anton Sarukhanov crafted a tiny commit with the message "Add test for get_version (CLI) (#1884)" on August the 20th 2016. At the same time, Zev Averbach crafted a commit claiming to

"added indentation to changed structure". On June the 3rd 2016 first time contributor Nathan Land composed a tiny commit with the message "Add tests for flask.json.dump() and test that jsonify correctly converts uuids.". More than 11 weeks down the line David Lord crafted a tiny commit described as "clean up new json tests" on August 21st 2016. Roundabout 1 day down the line on Monday, August 22nd 2016 first time contributor sanderl-mediamonks authored a tiny commit claiming to "Use the correct Celery result backend setting" while Kyle Lawlor wrote a commit called "Update minitwit & improve testing for examples (#1954)". On August the 25th 2016 Armin Ronacher authored a tiny commit called "Disable logger propagation by default". On August the 26th 2016 Markus Unterwaditzer wrote a defect fixing commit claiming to "Properly remove f.name usage in send_file (#1988)". Roughly 1 day later they authored a tiny commit described as "Only passthrough_errors if PROPAGATE_EXCEPTIONS" on August the 27th 2016. Exactly 1 day down the line on Sunday, August 28th 2016 dawran6 created a tiny commit with the message "sessions documentation (client side vs server side) #434 (#1888)". First time contributor Josh Soref crafted a tiny commit claiming to "Spelling (#1998)" on August the 29th 2016. Exactly 2 days later on August 31st 2016 Kyle Lawlor created a tiny commit called "Better workflow for flaskr and other basic apps (#2000)" while first time contributor PHeanEX added a tiny bug removal commit with the message "Fix small grammar error (Of/Or) (#2001)". First time contributor Roman authored a tiny fix commit called "Fix error in send_file helper (#2003)" while first time contributor Afonso Queirós authored a tiny commit described as "Correcting Custom Test Client class docs (#2004)" on September 5th 2016. About 1 day down the line on Tuesday, September 6th 2016 Markus Unterwaditzer crafted a tiny defect fixing reverting commit called "Don't passthrough_errors unless instructed. (#2006)". Roughly 1 day down the road on Wednesday, September 7th 2016 they created a tiny commit claiming to "Changelog for #2006". Armin Ronacher added a commit described as "Corrected after response for error handlers" while Kyle Lawlor crafted a revert-commit described as "Clean up tutorial docs for installable app pattern with flaskr (#2002)" on September the 8th 2016. Concurrently, first time contributor Akbar Ibrahim wrote a tiny commit claiming to "Fixed error in errorhandler doc string. (#2014)" while first time contributor Andrew Arendt authored a tiny commit called "fixed deprecated syntax in setup.cfg (#2015)". On September the 10th 2016 Armin Ronacher authored a tiny commit described as "Do not error for unknown files if

send_file sends an actual file". Exactly 1 day down the road they crafted a tiny commit described as "Killed now dead code" when Kyle Lawlor authored a commit with the message "Address #1980 (#2021)" on September 11th 2016. Concurrently, Armin Ronacher authored a tiny commit claiming to "Updated upgrade docs". First time contributor Pablo Marti composed a tiny fix commit described as "Fix typo in docs" when Armin Ronacher authored a tiny commit called "Set merge strategy for CHANGES" on Monday, September 12th 2016. Around 2 days down the line Andrew Arendt crafted a tiny commit with the message "Remove nonsense from cli docs" on Wednesday, September 14th 2016. First time contributor Bruno Thalmann authored a tiny commit with the message "Removed unused import. (#2026)" when Markus Unterwaditzer crafted a tiny bug removing commit with the message "Use abort docs from Werkzeug" on September the 18th 2016. Roughly 1 day down the line on Monday, September 19th 2016 Benjamin Dopplinger composed a tiny bug removing commit claiming to "Fix typo in MethodView doc (#2028)" while Markus Unterwaditzer added a tiny commit called "Avoid always-false statement". Around 5 days later on Saturday, September 24th 2016 first time contributor Douglas Thor authored a tiny commit described as "Updated mod_wsgi.rst to point to new mod_wsgi repo (#2038)". First time contributor 小明 composed a tiny bug removing commit called "Fix unbound error (#2039)" while first time contributor Joël Charles authored a commit described as "make use of range requests if available in werkzeug (#2031)" on Monday, September 26th 2016. About 5 days down the road first time contributor Michael Recachinas authored a tiny commit with the message "Remove `-a/--app` from Quickstart documentation (#2046)" on Saturday, October 1st 2016. Roughly 1 week down the line on Saturday, October 8th 2016 first time contributor Hassam authored a tiny bug removing commit described as "Fix #2051: Fix flaskr import in flaskr/__init__.py (#2052)". First time contributor Geoffrey Bauduin authored a tiny commit claiming to "Updated Celery pattern" on Tuesday, October 11th 2016. Around 1 day later on October the 12th 2016 Michael Recachinas composed a defect fixing commit with the message "Default environ (#2047)" while David Lord crafted a tiny commit with the message "Windows venv is Scripts, capital S". About 2 days down the line on October 14th 2016 first time contributor Cody composed a tiny bug removal commit with the message "add 'caution' section to docs, workaround for zero-padded file modes (#2057)". More than 1 week down the road first time contributor Ionuț Ciocîrlan added a tiny fix

commit claiming to "Fix grammar in docs" on October 24th 2016. Exactly 6 days down the line Kyle Lawlor authored a tiny commit described as "Fixes import statement in flaskr (#2068)" on October the 30th 2016. Exactly 1 day down the line first time contributor Clenimar Filemon created a tiny commit claiming to "Update docstring for errorhandler() (#2070)" when first time contributor Alex Kahan crafted a tiny commit described as "Adding coverage generation to tox (#2071)" on October 31st 2016. Roughly 1 day down the road first time contributor Martijn Pieters crafted a tiny commit claiming to "Remove busy-work. (#2072)" while first time contributor Philippe Ombredanne added a tiny commit claiming to "Add license_file to setup.cfg metadata (#2024)" on November 1st 2016. At the same time, Clenimar Filemon added a tiny commit described as "Capitalize occurrences of 'flask' (#2067)" when first time contributor Shandy Brown composed a tiny commit with the message "Correct grammar (#2061)". On November 2nd 2016 first time contributor Tery Lim wrote a tiny commit called "Update errorhandling.rst (#2074)" and a tiny defect fixing commit with the message "Update errorhandling.rst (#2075)" whilst Markus Unterwaditzer authored a tiny commit called "Use tox from make test". Alex Kahan added a tiny commit called "Parameterizing test (#2073)" whilst David Lord created a commit called "switch to packaged sphinx theme" on Thursday, November 3rd 2016. About 4 days down the road on November the 7th 2016 first time contributor Giles Thomas authored a tiny commit with the message "Added a link to instructions for PythonAnywhere (#2081)". More than 1 week down the road Jannis Leidel wrote a tiny bug removal commit with the message "Fix rST rendering of env var (#2085)" while Markus Unterwaditzer created a tiny bug removing commit with the message "Fix import error" on November the 15th 2016. On November the 17th 2016 first time contributor ezramorris added a tiny commit claiming to "Add link to AWS EB Flask tutorial". More than 4 weeks later on Monday, December 19th 2016 first time contributor Sven-Hendrik Haase authored a tiny commit described as "Remove wrong comma (#2116)". Roundabout 2 days later they themselves composed a tiny commit called "Style the flask command consistently (#2120)" on Wednesday, December 21st 2016. Exactly 1 day down the road on Thursday, December 22nd 2016 first time contributor Hopsken crafted a tiny commit with the message "Update README for minitwit (#2119)". On December 21st 2016 first time contributor Raphael Deem crafted a tiny commit described as "use dict instead of if/else logic (#2093)" while first time contributor Jiri Kuncar

added a tiny commit described as "Ignore cache on request.get_json(cache=False) call (#2089)". Meanwhile, Markus Unterwaditzer added a tiny commit with the message "Version 0.12", a tiny commit with the message "Bump version number to 0.12" and a tiny commit described as "Bump to dev version". They added a tiny commit called "Changelog stub for 0.12.1" and a tiny commit described as "Bump to dev 0.12.1" on Sunday, December 25th 2016. On December 26th 2016 Markus Unterwaditzer wrote a tiny bug removing commit called "Fix config.from_pyfile on Python 3 (#2123)". Roundabout 2 days down the line on Wednesday, December 28th 2016 first time contributor Gábor Lipták created a tiny commit called "Update Flask-SQLAlchemy link (#2126)". Roundabout 2 days later first time contributor wgwz wrote a tiny commit called "Adds the largerapp from the docs as an example" and a tiny commit described as "Add reference to largerapp src in docs" while Markus Unterwaditzer authored a tiny commit with the message "Init 0.13 changelog" on Friday, December 30th 2016. Concurrently, first time contributor Paul Brown created a tiny commit with the message "prevent NoAppException when ImportError occurs within imported module" and a tiny commit called "update change log". Markus Unterwaditzer authored a bug removing commit called "Inherit Werkzeug docs (#2135)" when wgwz added a tiny commit described as "Moves largerapp into patterns dir and add test", a tiny commit called "Remove unneccessary arg in client fixture" and a tiny commit claiming to "Provides a link to the examples src" on Saturday, December 31st 2016. Roundabout 1 day down the road first time contributor Bryce Guinta created a tiny defect fixing commit with the message "Fix fastcgi lighttpd example documentation. (#2138)" on January 1st 2017. More than 1 week down the road Adrian composed a tiny commit claiming to "Do not suggest deprecated flask.ext.*" while first time contributor Andrew Arendt crafted a tiny commit described as "Added python3.6 support for tests" on January 10th 2017. First time contributor Ondřej Nový crafted a tiny commit called "Use SOURCE_DATE_EPOCH for copyright year to make build reproducible" on January the 13th 2017. On January 14th 2017 first time contributor Dennis Chen added a tiny fix commit with the message "Fix Request Reference (#2151)". On January the 17th 2017 first time contributor Kim Blomqvist composed a tiny commit claiming to "Disable debug when FLASK_DEBUG=False (#2155)" while Jeff Widman added a tiny commit claiming to "Update docs that request is an object, not a class (#2154)". Meanwhile, Raphael Deem crafted a tiny commit described as "use SERVER_NAME to set

host and port in app.run() (#2152)" whilst David Lord composed a tiny commit called "add test and changelog for SERVER_NAME app.run default". On January the 29th 2017 Armin Ronacher crafted a tiny commit with the message "Convert Flask.run into a noop when run from the CLI". More than 1 week down the line on February 9th 2017 first time contributor Swan Htet Aung wrote a tiny commit called "Update 4.4.3 HTTP Methods Example" whilst first time contributor vojtekb added a tiny commit described as "py.test => pytest (#2173)". Simultaneously, Markus Unterwaditzer added a tiny commit with the message "Remove examples dir again". On February the 10th 2017 Jeff Widman added a tiny commit with the message "bdist_wheel replaces wheel (#2179)". On Saturday, February 11th 2017 the very same one composed a commit described as "Migrate various docs links to https (#2180)". Roughly 4 days down the road first time contributor Nick Ficano authored a tiny fix commit claiming to "Fix typo in file header (jsonimpl => json)" on February the 15th 2017. On February 18th 2017 first time contributor Timothy John Perisho Eccleston added a tiny bug fixing commit claiming to "Fix typo in docs/tutorial/templates.rst (#2186)". Exactly 5 days later first time contributor Josh Rowe added a commit described as "Move object_hook outside loads method so class can be extend and reused" on Thursday, February 23rd 2017. Exactly 5 days down the line on Tuesday, February 28th 2017 first time contributor Sergio Díaz Sánchez crafted a tiny commit called "Updated documentation for being able to use init_db method" while first time contributor Sebastian Kalinowski crafted a tiny commit described as "Remove extra HTML tag from fileupload docs (#2141)". First time contributor Grey Li wrote a tiny bug removing commit called "Add tips for debug config with flask cli (#2196)" when Adrian added a tiny fix commit called "Fix typo" on March 4th 2017. Roundabout 1 day down the line on March 5th 2017 first time contributor Elton Law crafted a tiny commit called "Close

- tag in tutorial (#2199)". On Monday, March 6th 2017 first time contributor Static added a tiny fix commit called "Fix typos/grammar in docs (#2201)". First time contributor Hsiaoming Yang authored a tiny bug fixing commit claiming to "Don't rely on X-Requested-With for pretty print json response (#2193)" on March the 7th 2017. About 1 day later first time contributor Ben added a tiny fix commit described as "Fix broken link (#2202)" on Wednesday, March 8th 2017. First time contributor John Bodley composed a tiny commit described as "Document run() host defaulting to SERVER_NAME" on March the

11th 2017. On Monday, March 13th 2017 first time contributor Jan Ferko added a tiny commit with the message "Use print function in quickstart (#2204)". On Thursday, March 16th 2017 Sven-Hendrik Haase wrote a tiny commit described as "Print a stacktrace on CLI error (closes #2208)", a tiny commit claiming to "Remove useless pass" and a tiny commit called "Add test to showcase that printing a traceback works". On March the 17th 2017 first time contributor Larivact authored a tiny commit called "Clarify APPLICATION_ROOT #1714". First time contributor Runar Trollet Kristoffersen created a commit with the message "Issue #2212: documentation: virtualenv and python3" on Sunday, March 19th 2017. About 2 days later first time contributor Ed Brannin wrote a tiny commit called "shorten output when ImportError due to app bug." whilst first time contributor Ed Brannin added a tiny defect fixing commit with the message "Fix CLI test for ImportError -> NoAppException" on March 21st 2017. First time contributor Antonio Larrosa created a tiny bug removal commit described as "Fix send_file to work with non-ascii filenames" on March 23rd 2017. On Friday, March 24th 2017 they crafted a tiny fix commit called "Fix previous commits to work with python 2 and python 3". Roundabout 6 days down the line on March the 30th 2017 Antonio Larrosa created a tiny commit claiming to "Remove unidecode dependency and use unicodedata instead". Roughly 1 day down the line first time contributor Diggory Blake composed a tiny commit claiming to "Handle BaseExceptions (#2222)" on Friday, March 31st 2017. On March 23rd 2017 they themselves composed a tiny commit claiming to "Handle BaseExceptions", a commit claiming to "Add test and changes" and a tiny commit with the message "Make test more idiomatic". More than 1 week down the road Markus Unterwaditzer crafted a tiny commit claiming to "Correct changelog", a tiny commit with the message "Prepare for 0.12.1", a tiny commit called "Bump version number to 0.12.1", a tiny commit with the message "Bump to dev version" and a tiny reverting commit with the message "Revert "Handle BaseExceptions (#2222)"" on March the 31st 2017. Wgwz added a commit claiming to "Adds in blueprints and an application factory" on April the 1st 2017. About 1 day down the road on April 2nd 2017 the very same one created a commit described as "Add in a fixture utilizing app factory". First time contributor Adam Geitgey authored a tiny commit with the message "Correct imports in file upload example (#2230)" on April the 4th 2017. Exactly 2 days down the line on Thursday, April 6th 2017 first time contributor asilversempirical crafted a tiny commit with the message "Update out of date jsonify

documentation". On April 7th 2017 Grey Li composed a tiny commit with the message "Add example for virtualenv integration in cli docs (#2234)" whilst first time contributor jab added a commit called "Change Flask.__init__ to accept two new keyword arguments, host_matching and static_host. (#1560)". Simultaneously, Antonio Larrosa created a tiny commit with the message "Keep using only filename if it's valid ascii" whilst David Lord authored a commit with the message "style cleanup". David Lord crafted a tiny commit described as "need to test against raw header" and a tiny commit described as "add changelog for #2223" on April 8th 2017. Roughly 3 days down the road first time contributor ka7 wrote a tiny fix commit called "Fix typo in docs (#2237)" on April the 11th 2017. On April the 12th 2017 David Lord authored a tiny commit called "filename can be latin-1, not just ascii". Roughly 1 day later on April the 13th 2017 they themselves composed a tiny commit described as "get mtime in utc". On December 19th 2016 accraze created a tiny commit called "Added missing testing config". More than 16 weeks down the line David Lord composed a tiny commit with the message "use app.testing property instead of config", a tiny commit claiming to "use app.testing property instead of config" and a tiny commit called "get mtime in utc" on Thursday, April 13th 2017. On April 19th 2017 first time contributor Sobolev Nikita composed a tiny bug fixing commit described as "Fix typo in app.py (#2248)". First time contributor rocambolesque created a tiny commit described as "Add scheme to url_build error handler parameters" on September the 9th 2016. More than 31 weeks down the road David Lord created a tiny commit claiming to "add test for build error special values" on April the 20th 2017. On April 21st 2017 they themselves added a commit described as "update changelog" and a commit with the message "use mro to collect methods". David Lord crafted a tiny commit described as "ensure error while opening session pops context" on April the 22nd 2017. On April 24th 2017 they themselves crafted a commit described as "clean up blueprint json support" and a commit described as "refactor make_response to be easier to follow". Roundabout 1 day down the line David Lord wrote a commit described as "clean up preprocess_request docs" and a commit claiming to "add sort by match order" on April the 25th 2017. On November 2nd 2016 first time contributor Benjamin Liebald authored a tiny commit described as "Mention existence of register_error_handler in errorpages.rst". More than 25 weeks later David Lord authored a commit with the message "clean up error handler docs" on April 30th 2017. The very same one composed a tiny commit

described as "optionally enable sphinxcontrib.log_cabinet" on May 4th 2017. Around 6 days down the road first time contributor wangbing wrote a tiny commit claiming to "Removed unused import" when first time contributor Xephyr826 added a commit described as "Improve Routing section" on Wednesday, May 10th 2017. About 1 day later on May the 11th 2017 David Lord authored a tiny commit claiming to "Update CONTRIBUTING.rst", a commit called "rewrite installation docs", a commit described as "wrap lines" and a commit claiming to "clean up deferred callback doc". On December the 4th 2016 first time contributor José Oliveira authored a tiny commit described as "show warning if session cookie domain is ip". More than 22 weeks down the line David Lord created a commit called "refactor session cookie domain logic" on May the 13th 2017. The very same one authored a commit with the message "explain when to use a task queue", a commit described as "safe_join on Windows uses posixpath" and a commit called "safe_join on Windows uses posixpath" on May 15th 2017. On May 16th 2017 Markus Unterwaditzer composed a tiny commit described as "Release 0.12.2", a tiny commit claiming to "Bump version number to 0.12.2" and a tiny commit described as "Bump to dev version". David Lord crafted a commit claiming to "reorder session cookie checks to deleted, accessed, modified" and a commit with the message "set session accessed for setdefault" on May 20th 2017. Around 2 days down the road first time contributor Tully Rankin authored a tiny commit with the message "Updated documentation. Replaced term development mode with debug mode. #2261" and a tiny commit claiming to "Updated request context documentation." whilst dawran6 added a tiny commit claiming to "Add coverage for Blueprint.app_errorhandler" on Monday, May 22nd 2017. Concurrently, they themselves composed a tiny commit called "Added link to using Werkzeug debugger in quickstart documentation." and a tiny commit called "Removed the version number out of the documenation link to Werkzeug." when first time contributor Hendrik Makait composed a commit described as "Auto-detect create_app and make_app factory functions". Simultaneously, dawran6 authored a commit called "Add coverage for Blueprints.(app_)context_processor" whilst Hendrik Makait authored a tiny commit called "Remove unnecessary checks and reformat NoAppException messages". Meanwhile, the very same one added a tiny commit described as "Add coverage for Blueprint.add_app_template_global" while Tully Rankin composed a tiny commit claiming to "Moved WSGI-Standalone above mod_wsgi in deployment documentation." and a tiny commit called

"Moved mod_wsgi under uwsgi in TOC deployment docs.". At the same time, David Lord authored a commit with the message "show error if multiple Flask instances are detected" and a tiny commit claiming to "adjust for loop style" while first time contributor MikeTheReader added a commit claiming to "Added tests for make_response and get_debug_flag to improve coverage of helpers.py". Concurrently, dawran6 wrote a commit claiming to "Add coverage for Blueprint request process methods" and a tiny commit with the message "Add coverage for Blueprint teardown request method" when first time contributor Neil Grey crafted a commit described as "For Issue #2286: Replaces references to unittest in the documentation with pytest" and a tiny commit claiming to "For Issue #2286: Fixing indenting of test_login_logout". Meanwhile, Tully Rankin wrote a tiny commit described as "Added uWSGI and example usage to stand-alone WSGI containers documentation (#2302)" when Neil Grey composed a tiny commit described as "For Issue #2286: Updating test_flaskr to use yield inside fixture". Meanwhile, MikeTheReader added a commit with the message "Modifications based on review" whilst first time contributor Lowell Abbott crafted a commit with the message "Add security headers notes". Meanwhile, first time contributor Andrey Kislyuk wrote a tiny bug removal commit described as "Fix refactoring error in static_folder docstring (#2310)" whilst Lowell Abbott added a bug removing commit described as "Fix typos, semantics and some other corrections" and a tiny commit claiming to "Erased duplicated links on title". Lowell Abbott crafted a commit claiming to "Suggest only one package, change the sourcecode block to none" whilst MikeTheReader added a commit with the message "Parameterize test_get_debug_flag" and a tiny commit called "Replace double quotes with single quotes" on May the 23rd 2017. First time contributor Christopher Sorenson added a tiny commit with the message "making some updates to the CONTRIBUTING.rst" on May 22nd 2017. On May the 23rd 2017 first time contributor bovarysme crafted a commit described as "Use the yield syntax in pytest's fixtures". First time contributor Florian Sachs added a commit called "Register errorhandlers for Exceptions" on January the 8th 2017. More than 19 weeks later first time contributor cerickson crafted a commit claiming to "Added support for generic HTTPException handlers on app and blueprints" and a commit claiming to "Added support for generic HTTPException handlers on app and blueprints" on May 22nd 2017. About 1 day down the line they themselves added a tiny commit called "removed dupe text from merge" when David Lord wrote a commit

claiming to "reorganize git instructions" on May the 23rd 2017. Simultaneously, first time contributor Levi Roth crafted a tiny commit claiming to "Added documentation for PowerShell environment variables" when David Lord composed a commit called "Update testing.rst". Concurrently, first time contributor kaveh crafted a commit described as "Adds provide_automatic_options to Class-based Views" while Lowell Abbott authored a bug removal commit described as "Re-order by semantic. Fix link on flask-talismand and re-word many concepts". Meanwhile, bovarysme authored a tiny bug removal commit with the message "Fix a small oversight in the testing docs" while Hendrik Makait added a commit called "Check if app factory takes script_info argument and call it with(out) script_info as an argument depending on that". Meanwhile, first time contributor Christian Stade-Schuldt wrote a gigantic commit with the message "DRYing up the test suite using pytest fixtures (#2306)" whilst first time contributor Mark Shannon created a tiny commit called "Update click dependency info.". At the same time, David Lord added a tiny commit with the message "add lowest click version to tox", a tiny commit called "shorten cli factory name" and a tiny commit claiming to "add changelog" when dawran6 added a tiny commit with the message "Add test for Blueprint app-wide url processing" and a tiny commit called "Cleanup test_blueprint.py to use test fixtures". Simultaneously, first time contributor Rene A. Zelaya wrote a commit with the message "Bundling 'test_greenlet_context_copying' functions into a new class in tests/test_reqctx.py." and a tiny commit claiming to "Correcting name of GreenletContextCopying test class (to start with 'Test'), making it extend object, and also having the test methods in it include 'self' as first argument.". On Wednesday, May 24th 2017 David Lord created a bug fixing commit called "reduce number of tox and travis envs" while first time contributor Dave Morse created a commit described as "Minor edits to tutorial for clarity. (#2330)". Meanwhile, Christian Stade-Schuldt created a huge commit with the message "More DRYing up the test suite (#2325)" while first time contributor Anthony Plunkett created a commit claiming to "PyCharm Run Configuration Guide". First time contributor Nina Zakharenko crafted a commit claiming to "Don't overwrite Vary header when setting for cookie access #2317" on May the 23rd 2017. On May 25th 2017 first time contributor Dave added a tiny bug removing commit claiming to "Fix typo" when first time contributor Zeb Palmer composed a tiny commit claiming to "Missing Space". On May the 23rd 2017 Hendrik Makait crafted a commit called "Handle app factory with

arguments in FLASK_APP" and a commit with the message "Factor out call_factory_from_regex function". David Lord added a commit claiming to "extract patch_vary_header to helpers" while Hendrik Makait created a commit claiming to "Factor in code review comments and refactor functions to be more naturally split." on May the 25th 2017. Simultaneously, first time contributor Kenneth Reitz added a tiny commit with the message "use alabaster" whilst Lowell Abbott added a tiny commit described as "Add capitalize and other details". Simultaneously, they created a tiny commit with the message "Update CHANGES" and a tiny commit called "i think this is how this works now". Kenneth Reitz crafted a tiny commit described as "cleanup #2326" on May 26th 2017. Roughly 1 day later David Lord composed a tiny commit claiming to "flaskr correct app name" and a commit with the message "clean up security header docs" while Kenneth Reitz authored a tiny commit claiming to "reduce the number of builds" and a tiny commit described as "try py" on May 27th 2017. Simultaneously, they added a tiny bug fixing commit with the message "fix doc build error" and a tiny commit called "set example app names directly" while first time contributor Junior Báez wrote a tiny commit called "#2341: Accept default argument value when args lenght equal 1". David Lord added a bug removing commit claiming to "update development resources", a commit claiming to "update changelog", a commit called "reformat config from table to linkable sections" and a tiny commit described as "APPLICATION_ROOT defaults to '/'" on May 28th 2017. They themselves composed a commit described as "use existing response.vary property to set vary header", a tiny defect fixing commit claiming to "fix some config names in new doc", a commit with the message "deprecate app session methods in favor of session_interface", a commit described as "make debugging bad key errors easier", a tiny commit claiming to "set description for trap as well as debug" and a tiny bug removing commit with the message "fix operator precedence" on May 29th 2017. Around 2 days down the road David Lord added a commit with the message "show nice message when registering error handler for unknown code" on May the 31st 2017. The very same one crafted a commit called "make session serializer extensible" on June 1st 2017. On Friday, June 2nd 2017 David Lord crafted a commit called "pass serializer at tag init instead of to each method", a commit claiming to "docs style cleanup" and a commit described as "finish documentation" when first time contributor Grant Wu crafted a tiny commit described as "Clarify documentation for json parsing". Concurrently, they created a

commit described as "add tests for flask.json.tag", a tiny commit described as "mention mimetype and is_json", a tiny commit described as "failing test for streaming session" and a tiny commit claiming to "only open session if request hasn't been pushed yet". David Lord created a commit claiming to "clean up JSON code and docs", a tiny commit called "be smarter about adding ".cli" to reloader command" and a tiny commit with the message "remove unused import" on June the 4th 2017. Grey Li crafted a tiny commit claiming to "Include flask.json package in setup()" while David Lord crafted a commit claiming to "failing test" and a tiny commit called "don't cache error handlers for exception mro" on June 5th 2017. About 1 day later David Lord wrote a commit called "document inherited attributes for Flask and Blueprint" and a tiny commit described as "mention csp for javascript: uri xss" on June the 6th 2017. About 3 days down the line first time contributor tristan fisher added a commit claiming to "Add basic how-to on using envvars for config" and a tiny commit called "Fixes grammar and phrasing on envvar how-to" when David Lord added a commit called "formatting" on June 9th 2017. First time contributor grahamlutz added a tiny commit described as "Remove duplicate word from docstring" on June 10th 2017. Tony Narlock crafted a tiny commit called "Add docutils label for templates page" and a tiny commit with the message "Add docutils label for class-based views" on Monday, June 12th 2017. Exactly 2 days down the road on June 14th 2017 David Lord wrote a commit called "document `Flask.register_blueprint` arguments", a tiny commit claiming to "document the blueprint param too" and a commit with the message "reconfigure the app from run command and method" when first time contributor Eugene M. Kim authored a tiny commit claiming to "Add UTs for #2372". Simultaneously, the very same one wrote a tiny commit claiming to "test no debug flag doesn't reconfigure" while Eugene M. Kim created a tiny commit with the message "Correctly encode aware, non-UTC datetime objects", a tiny commit described as "Rewrite test_jsonify_aware_datetimes without pytz", a tiny commit with the message "Use pytz again for tests", a tiny commit called "Skip aware datetime tests if pytz is unavailable", a tiny revert-commit called "Re-revert to not using pytz" and a tiny commit called "Actually hand-spin and use a tzinfo subclass". First time contributor Miguel Grinberg created a commit claiming to "Import app from wsgi.py or app.py if FLASK_APP is not defined" and a tiny commit described as "document wsgi.py and app.py default modules" on June the 15th 2017. David Lord composed a commit with the message "style cleanup" whilst

first time contributor trirpi crafted a tiny commit called "removed bug in memory sqlite uri" on June 16th 2017. Exactly 1 week later on June 23rd 2017 first time contributor John Moutafis added a tiny commit claiming to "Remove deprecated init_jinja_globals.". They themselves added a tiny commit called "Remove deprecated request_globals_class _get and _set methods." while David Lord added a tiny commit claiming to "remove deprecated Flask.error_handlers", a commit with the message "remove deprecated Flask.static_path", a commit claiming to "remove deprecated Request.module", a tiny commit claiming to "changelog for deprecations", a commit with the message "remove deprecated flask.ext", a commit with the message "remove old upgrade script" and a commit called "un-deprecate request.json" on June 26th 2017. Miguel Grinberg composed a tiny fix commit described as "fix variable substitution in error message" on June the 27th 2017. Around 1 day down the road on June 28th 2017 David Lord wrote a commit described as "clean up secret key docs", a tiny commit with the message "one more secret key in docs", a tiny commit called "detox breaks docs test env for some reason" and a tiny defect fixing commit with the message "fix formatting". Exactly 2 days later first time contributor William Horton wrote a tiny commit described as "Remove unused import from test_basic (#2403)" on June 30th 2017. Roughly 1 week down the road first time contributor Bijan Vakili composed a commit with the message "Update documentation and regression tests to clarify that Flask.teardown_appcontext() only receives unhandled exceptions" on July the 7th 2017. Around 3 days down the line David Lord created a tiny commit called "clean up" on Monday, July 10th 2017. Roughly 3 days down the road they added a commit claiming to "support passing environ to test client (#2412)" on July 13th 2017. On July 14th 2017 David Lord composed a commit called "allow local packages in FLASK_APP". Roughly 2 days later first time contributor asmith26 authored a tiny defect fixing commit called "Fix typo in docs (#2419)" on July 16th 2017. On July 14th 2017 David Lord authored a commit claiming to "load env vars using python-dotenv". More than 1 week down the line on Thursday, July 27th 2017 first time contributor Igor Kasianov added a tiny commit with the message "make_test_environ_builder: use url_scheme from path if provided" while David Lord composed a tiny commit called "egg_info -R flag is gone". Roundabout 2 days down the road David Lord wrote a tiny commit with the message "prefer the url's scheme over the kwarg" on July 29th 2017. On Friday, July 28th 2017 the very same one added a

huge commit described as "simplify logging configuration". Roundabout 3 days down the road on Monday, July 31st 2017 David Lord created a tiny commit described as "Update CHANGES". Roughly 1 day down the road on August 1st 2017 they composed a commit claiming to "mention that session signature checks max age", a tiny bug fixing commit called "fix code block" and a tiny bug fixing commit described as "fix links". On August 6th 2017 first time contributor hallazzang composed a tiny commit claiming to "corrected indentations for pypa description". First time contributor Brennan Vincello composed a tiny commit with the message "Add version warning" on Thursday, August 10th 2017. Roundabout 4 days down the road first time contributor Chuan Ma composed a tiny commit with the message "pytest.yield_fixture deprecated in pytest 3.0+." on August the 14th 2017. Exactly 1 day later first time contributor Arie Marie 'Thomas' Dalleis added a tiny bug removal commit with the message "Fix typos and formatting" on Tuesday, August 15th 2017. More than 1 week later on August 25th 2017 first time contributor Alejandro Mantecon Guillen authored a tiny commit with the message "Update debugger and flaskr screenshots (#2454)". Around 5 days down the road first time contributor Brett Johnson crafted a tiny commit called "Update App Engine link" on August the 30th 2017. Exactly 1 week down the road first time contributor Jaap Broekhuizen crafted a tiny commit described as "Mention Flask instead of Jinja in the issue template" on September 6th 2017. Around 6 days down the road first time contributor ImgBotApp composed a tiny commit described as "[ImgBot] optimizes images" on September the 12th 2017. More than 1 week later Grey Li created a tiny bug fixing commit called "Fix typo in comment" on Saturday, September 23rd 2017. Exactly 5 days down the line David Lord created a tiny commit with the message "install argparse for 2.6" on Thursday, September 28th 2017. More than 1 week down the line on October 8th 2017 first time contributor Henry Chladil created a tiny commit claiming to "Add additional information in the url_rule docs (#2467)". First time contributor Caratpine wrote a tiny commit claiming to "Blueprint view function name should not contain dots" on August the 19th 2017. On July 14th 2017 David Lord wrote a commit claiming to "rewrite cli errors". More than 12 weeks down the line they composed a huge commit described as "rewrite cli docs" on October the 10th 2017. About 1 day down the road on October 11th 2017 first time contributor Mrn Om authored a tiny defect fixing commit claiming to "Fix grammar/typos". First time contributor Radoslav Gerganov wrote a tiny

bug removing commit claiming to "Fix typo in logging.rst (#2492)" on October 13th 2017. Exactly 6 days later on October 19th 2017 first time contributor Bogdan Alexandru Marginean composed a tiny commit described as "Update appfactories.rst". On October the 24th 2017 first time contributor Roy Crihfield wrote a tiny bug removing commit with the message "Fix typo in cli.py (#2502)". On October 25th 2017 first time contributor hugovk added a tiny commit with the message "Remove IRC notifications". More than 2 weeks later on Thursday, November 9th 2017 first time contributor domandinho added a tiny bug removing commit called "Minor fix in flaskr example README". More than 1 week down the road on November the 22nd 2017 first time contributor Per Mortensen created a tiny commit described as "Update Twisted Web example". Roughly 3 days down the road Armin Ronacher crafted a tiny commit called "Improved bad factory error handling", a tiny commit with the message "Enable threads by default for the dev server (#2529)" and a tiny commit with the message "Fixed tests for python 3" on Saturday, November 25th 2017. Adrian composed a fix commit called "Fix ValueError for some invalid Range requests" on November 23rd 2017. The very same one wrote a tiny bug fixing commit claiming to "Fix broken test" on November the 25th 2017. Around 1 day later David Lord wrote a tiny commit called "include tox.ini in sdist" on Sunday, November 26th 2017. On December 1st 2017 Grey Li crafted a tiny commit with the message "Docs: update built-in server description". Roughly 1 day later first time contributor Hsiaoming Yang crafted a tiny commit with the message "Rename GitHub templates to md. They are Markdown." on Saturday, December 2nd 2017. On Sunday, December 3rd 2017 first time contributor Ngalim Siregar crafted a tiny commit claiming to "update pycharm instructions" and a tiny commit called "Update PyCharm image". First time contributor Vladimir Kroz authored a tiny bug removal commit claiming to "Fix code example for HTTP Methods" on December 5th 2017. On Friday, December 8th 2017 first time contributor Harry Moreno wrote a tiny bug removal commit called "Fix docs, how to get db connection in pattern". Roughly 6 days down the road Grey Li crafted a tiny commit described as "Docs: Fixed typo" and a tiny commit with the message "Docs: Add missing backslash" while first time contributor Camilo created a tiny bug fixing commit claiming to "fix non-passing tests for logging on pytest > 3.3.0" and a tiny commit described as "restore the logging plugin only if it was active to begin with" on Thursday, December 14th 2017. Concurrently, David Lord added a tiny commit described as "use config fixture, get plugin via

unregister" while accraze crafted a tiny bug fixing commit with the message "Fix sentry raven install docs". Simultaneously, they wrote a commit described as "remove tests and docs for python 2.6 and 3.3". On December the 16th 2017 David Lord authored a tiny commit claiming to "add appveyor configuration". Hsiaoming Yang composed a tiny commit described as "Better appveyor config" on December the 17th 2017. About 3 days later on December the 20th 2017 Grey Li authored a tiny commit described as "Docs: Update CLI for factory pattern". About 2 weeks down the line on January the 3rd 2018 David Lord added a tiny commit described as "concat newline in jsonify". They themselves added a tiny commit with the message "cleanup", a bug fixing commit claiming to "smaller, optimized image" and a commit claiming to "improve documentation for session attributes" on January the 4th 2018. David Lord crafted a tiny commit with the message "silence ENOTDIR when loading config file", a tiny fix commit claiming to "fix windows failure to remove temp file" and a tiny commit with the message "windows python 2 doesn't provide inet_pton" on January the 5th 2018. Roughly 1 day later on January 6th 2018 Hsiaoming Yang crafted a tiny commit called "cleanup werkzeug import (#2582)" and a tiny commit called "Remove python 2.6 and 3.3 everywhere. (#2583)" when Armin Ronacher composed a commit called "Add Support for FLASK_ENV (#2570)". David Lord composed a commit called "match run command behavior in app.run", a commit with the message "reset standard os env after each test" and a commit with the message "clean up FLASK_ENV docs [ci skip]" on Wednesday, January 10th 2018. On January 14th 2018 first time contributor Nickatak composed a tiny bug removal commit with the message "Fix typo in example.". More than 1 week later first time contributor Fadhel_Chaabane created a commit described as "New Feature: Added Support for cookie's SameSite attribute." and a tiny commit claiming to "Changed Werkzeug min version to 0.14 to support SameSite cookie's attribute" on January 23rd 2018. On January 22nd 2018 David Lord composed a commit called "add HTTPS support for flask run command". Roundabout 1 day down the line on January the 23rd 2018 they crafted a commit claiming to "clean up samesite docs". Grey Li crafted a tiny commit called "Update cli help for FLASK_ENV" on January the 22nd 2018. About 1 day later on January the 23rd 2018 David Lord wrote a tiny fix commit called "add rst extension for changelog" and a tiny bug removal commit claiming to "fix changelog list formatting". They themselves created a commit claiming to "use traceback to detect call more reliably", a tiny commit with the message

"allow nightly to fail on travis", a tiny commit with the message "add note about syntax errors in custom scripts" and a commit with the message "document testing cli commands" on January 28th 2018. More than 1 week down the road David Lord wrote a commit called "bump dependency versions" on February the 6th 2018. Roughly 1 day down the road they themselves crafted a huge commit called "update project metadata" on Wednesday, February 7th 2018. On Thursday, February 8th 2018 David Lord created a revert-commit with the message "revert copyright year to project start" and a tiny commit with the message "install python in travis osx env". Roughly 4 days down the road on Monday, February 12th 2018 first time contributor Josh Holland crafted a tiny defect fixing commit described as "Fix docs for test_request_context". About 1 week later on February 19th 2018 David Lord added a commit described as "add test_cli_runner for testing app.cli commands" whilst Armin Ronacher created a commit called "Do not enable subdomain matching by default". On February the 23rd 2018 they created a commit called "use subdomain arg in url_map.bind_to_environ". First time contributor zcchen authored a tiny commit with the message "Add re.sub for blueprint add_url_rule handler, prevent '/a//b/'(blueprint.url_prefix='/a/' and the route is '/b/') happened." on February the 12th 2018. More than 1 week down the line David Lord added a tiny commit called "only strip one slash when registering blueprint" on February 23rd 2018. The very same one created a tiny commit described as "rewrite quickstart Unique URLs section" and a tiny commit described as "ignore pytest cache" on Saturday, February 24th 2018. David Lord composed a tiny commit claiming to "don't use Flask(__name__) in conftest" and a commit with the message "rewrite extension docs" on Wednesday, February 28th 2018. On March the 6th 2018 Grey Li added a tiny commit claiming to "Add documentation link in README" while David Lord added a tiny commit called "Update README.rst". More than 2 weeks later Hsiaoming Yang authored a tiny defect fixing commit claiming to "Fix logs for simple example on readme" and a tiny commit claiming to "Add tip for dotenv" on March 22nd 2018. More than 2 weeks later David Lord wrote a huge commit with the message "rework context docs" on April the 8th 2018. They wrote a gigantic commit claiming to "rewrite tutorial docs and example" on February the 9th 2018. More than 8 weeks down the road David Lord created a tiny commit described as "document blueprint static folder without prefix" on April the 9th 2018. Grey Li created a tiny commit with the message "Add tips for 413 connection reset issue" on March

18th 2018. On Monday, March 19th 2018 first time contributor fphonor crafted a commit called "get_json separate cache depending on silent arg". More than 3 weeks down the line on April the 10th 2018 David Lord added a commit with the message "detect UTF encodings when loading json". On April the 19th 2017 they themselves composed a commit claiming to "add Response.max_cookie_size config". More than 6 weeks down the road David Lord composed a tiny commit claiming to "be smarter about adding ".cli" to reloader command" on June the 4th 2017. More than 44 weeks down the road they themselves composed a commit described as "detect UTF encodings when loading json" and a tiny commit described as "add changelog for 0.12.3" on Tuesday, April 10th 2018. Exactly 2 days down the line David Lord created a commit called "add javascript ajax example", a tiny commit described as "clean up js example" and a tiny commit with the message "move coveragerc to setup.cfg" on April 12th 2018. Around 6 days down the road on April 18th 2018 first time contributor Bruno Rocha added a tiny commit called "Add explicit `(lazy loading)` message to `flask run` related to #2706". David Lord composed a huge commit with the message "use theme provided by pallets-sphinx-themes" and a huge commit with the message "use theme provided by pallets-sphinx-themes" on April the 12th 2018. On April 18th 2018 the very same one authored a tiny commit described as "enable intersphinx", a tiny commit described as "add changelog for docs theme and tutorial", a tiny commit called "app.run is not lazy" and a bug removing commit with the message "fix changelog indentation". On April the 19th 2018 first time contributor Nick Pope authored a tiny bug removal commit claiming to "Fix default index for TaggedJSONSerializer.register()" and a tiny bug removing commit with the message "Fix index example for TaggedJSONSerializer.register()". Around 1 day down the line on April the 20th 2018 David Lord authored a tiny commit described as "document cli option env vars". On April the 21st 2018 Hsiaoming Yang composed a tiny commit called "Close tag on js examples." and a tiny reverting commit with the message "Revert "Close tag on js examples."". Roughly 1 day down the line on April the 22nd 2018 first time contributor Filipe Filardi crafted a tiny commit with the message "Add LICENSE in README". David Lord composed a tiny commit with the message "use name of license" on April the 23rd 2018. Roundabout 1 day down the line Grey Li crafted a tiny bug fixing commit claiming to "Fix typo in docs" on Tuesday, April 24th 2018. David Lord composed a tiny commit claiming to "add donate link", a tiny commit claiming to "add donate link", a tiny commit described as

"add donate link" and a tiny commit called "add donate link" on Thursday, April 26th 2018. On April 25th 2018 Hsiaoming Yang added a tiny commit described as "Add project_urls so that PyPI will show GitHub stats.". On April the 26th 2018 David Lord wrote a tiny commit with the message "ensure order of project urls", a commit with the message "release 0.12.3", a tiny commit called "Bump version number to 0.12.3", a tiny commit described as "Bump version number to 0.12.4.dev", a tiny commit described as "release 1.0", a tiny commit claiming to "Bump version number to 1.0", a tiny commit with the message "release 1.0", a tiny commit claiming to "Bump version number to 1.0", a tiny commit claiming to "Bump version number to 1.1.dev", a tiny commit described as "Bump version number to 1.0.1.dev" and a tiny fix commit described as "fix docs logo" while first time contributor wim glenn created a tiny commit with the message "Add `python_requires` metadata for PyPI" and a tiny commit with the message "Exclude 3.3 aswell.". Meanwhile, the very same one created a tiny fix commit described as "fix docs logo", a tiny commit described as "start 1.1 changelog", a tiny commit called "start 1.0.1 changelog", a tiny bug removal commit called "fix docs index sidebar", a tiny fix commit claiming to "fix docs index sidebar" and a tiny bug removing commit claiming to "fix docs index sidebar". On April the 27th 2018 first time contributor Hampus Dunström wrote a tiny commit with the message "Added short note about Werkzeug redirect behaviour" while Adrian crafted a tiny bug removing commit with the message "Fix registering partials as view functions". At the same time, David Lord composed a tiny commit described as "format changelog" when first time contributor Vik created a tiny bug removing commit described as "Update config.rst". Wim glenn created a tiny commit claiming to "Add `python_requires` metadata for PyPI" on April the 26th 2018. David Lord crafted a tiny revert-commit with the message "Revert "Add `python_requires` metadata for PyPI"" and a tiny commit claiming to "expand explantion about default redirects" while Vik authored a tiny fix commit called "Update config.rst" on April 27th 2018. Simultaneously, first time contributor Jesse Roberts crafted a tiny fix commit with the message "fix #2736 - allow lists to be passed through to response_class init" when first time contributor Yao Long added a tiny commit called "document error on fileupload". Concurrently, David Lord added a tiny commit with the message "merge slashes between blueprint prefix and rule". On Saturday, April 28th 2018 they themselves wrote a commit with the message "trap key errors in debug, not all 400 errors".

Hsiaoming Yang composed a tiny commit called "Use FLASK_DONT_LOAD_ENV flag to disable load .env" on Friday, April 27th 2018. Around 1 day later David Lord authored a commit called "rename to FLASK_SKIP_DOTENV, add docs, test" on April the 28th 2018. Around 1 day down the line first time contributor Daiana Marasquin authored a tiny bug removing commit claiming to "fix syntax error and typo in quickstart.rst" whilst David Lord created a tiny commit described as "allow empty prefix and no lead slash in bp route", a tiny commit with the message "release 0.12.4", a tiny commit called "Bump version number to 0.12.4", a tiny commit claiming to "Bump version number to 0.12.5.dev", a tiny commit called "check FLASK_SKIP_DOTENV in app.run", a tiny commit claiming to "release 1.0.1", a tiny commit called "Bump version number to 1.0.1", a tiny commit described as "Bump version number to 1.0.2.dev", a tiny commit claiming to "start 1.0.2 changelog" and a tiny bug removal commit called "fix changelog link" on Sunday, April 29th 2018. On Monday, April 30th 2018 first time contributor Aaron Hall, MBA created a tiny commit described as "add missing port to localhost URL" and a tiny commit claiming to "add missing port to localhost URL" when David Lord added a tiny fix commit described as "fix project urls". Around 1 day later Hsiaoming Yang authored a tiny bug fixing commit called "Fix blueprint route for """ whilst David Lord wrote a tiny commit with the message "add more merge cases" on Tuesday, May 1st 2018. Roughly 1 day down the line Grey Li added a tiny commit with the message "Check whether exist registered routes" whilst David Lord added a tiny commit with the message "release 1.0.2", a tiny commit with the message "Bump version number to 1.0.2" and a tiny commit claiming to "Bump version number to 1.0.3.dev" on Wednesday, May 2nd 2018. Around 1 day later on May 3rd 2018 first time contributor Daniel Opitz authored a tiny commit with the message "Fixed LaTeX errors on documentation PDF generation". About 5 days down the road first time contributor Mitchel Humpherys composed a tiny commit claiming to "docs: installation: Add link to Quickstart after install" while David Lord composed a tiny commit with the message "clarify the section navigation in installation" on May the 8th 2018. On May the 3rd 2018 Daniel Opitz authored a tiny commit with the message "Fixed LaTeX errors on documentation PDF generation". More than 1 week later first time contributor Nicola Iarocci crafted a tiny commit with the message "Remove now obsolete 'audit' command from Makefile" on Saturday, May 12th 2018. About 4 days later on May 16th 2018 Grey Li

added a tiny commit with the message "Make super() compatible for Python2" whilst first time contributor Briehan Lombaard composed a tiny commit described as "SSLContext was added in Python 2.7.9". On May the 21st 2018 the very same one created a tiny bug fixing commit claiming to "Fix typos in CHANGES.rst" while first time contributor Tiago Coutinho composed a tiny commit with the message "Update gevent wsgi". About 1 day down the line first time contributor dayiguizhen composed a commit claiming to "Add the link of pull so that it's easy for readers to check the changes in code." on May 22nd 2018. Exactly 2 days later on May the 24th 2018 first time contributor Radovan Bast wrote a tiny commit claiming to "set FLASK_APP via env for portability across shells". About 4 days later on May the 28th 2018 David Lord added a commit described as "encode filenames as ascii instead of latin-1" while Anthony Plunkett wrote a tiny commit claiming to "Set uwsgi link to use :ref:". Concurrently, first time contributor Dilan Coss authored a tiny commit with the message "Test added for _AppCtxGlobals __repr__ method". On May the 29th 2018 the very same one added a tiny commit called "details fixed" when first time contributor Saul Urias added a tiny fix commit claiming to "Fix typo in appcontext.rst". At the same time, David Lord composed a bug removing commit called "update test envs". On May the 31st 2018 Grey Li created a tiny commit with the message "Add test for routes command when no routes registered". More than 1 week down the road first time contributor Gerald Senarclens de Grancy composed a tiny commit described as "add init-db call to flask tutorial" when first time contributor Suraj Chafle created a tiny commit described as "Fixed 2823" on June the 13th 2018. Adrian wrote a commit called "Add option to not overwrite debug flag in cli" on May 8th 2018. More than 5 weeks later on June 15th 2018 Grey Li added a tiny commit called "Add cli tips for .flaskenv". On Sunday, June 17th 2018 the very same one composed a tiny commit described as "Remove unnecessary period in documentation". About 3 days later first time contributor Kamil Wargula composed a tiny commit called "Update docs - add command for listing rules." on Wednesday, June 20th 2018. Roughly 1 week down the road first time contributor Gabriel Saldanha created a tiny commit with the message ":fire: Remove code supposed to be removed at v1.0" and a tiny commit claiming to ":art: Use set literal instead of set method" while first time contributor Juan Lara composed a tiny commit claiming to "Typo in docs" on Wednesday, June 27th 2018. On June 29th 2018 they themselves added a tiny commit with the message ":art: Use itervalues instead of iteritems" while first time

contributor Bill Fienberg created a tiny defect fixing commit claiming to "Fix grammatical error: incorrect verb conjugation". More than 1 week down the road on July the 11th 2018 first time contributor Justin W. Flory composed a tiny commit called "Make explicit call-out to contributing guidelines in README" and a defect fixing commit called "Fix broken cross-references; use :doc: tags where necessary". More than 1 week later on July 20th 2018 first time contributor Jeremy Mayeres created a tiny commit claiming to "▤ Improve docs about ScriptInfo". First time contributor cktan98 wrote a tiny fix commit with the message "Fix grammatical error" on July 25th 2018. More than 4 weeks later on August 24th 2018 first time contributor Alexis Benoist authored a tiny bug removing commit with the message "doc reqcontext fix teardown example (#2892)". More than 2 weeks later Grey Li created a commit claiming to "Add prefix for all commands in documentation (#2877)" on September 9th 2018. More than 1 week down the line first time contributor chengkang created a tiny fix commit with the message "fix issue: no theme named 'flask' found" and a tiny commit with the message "remove DocVersion related" while David Lord crafted a commit claiming to "update sphinx config" and a commit called "reformat sphinx config" on Monday, September 17th 2018. Around 2 days later on Wednesday, September 19th 2018 first time contributor Jarek Lipski wrote a tiny bug removing commit described as "fix @click.command example by adding parens" and a tiny bug removal commit with the message "fix @click.command example by adding parens" while first time contributor Tom Busby crafted a tiny defect fixing commit called "Make script output into comments to not break syntax highlighting". Chengkang crafted a tiny defect fixing commit described as "Fix docs errors" while David Lord wrote a tiny commit claiming to "split code and output" on September the 21st 2018. The very same one added a tiny commit described as "Reduce unnecessary function calls." on September the 19th 2018. More than 1 week down the line Grey Li wrote a tiny bug fixing commit with the message "Fix typo in issue template" on September 30th 2018. More than 1 week later on October the 13th 2018 first time contributor moyosore composed a tiny commit described as "Fixed typo in app.py". More than 1 week down the line chengkang composed a tiny commit called "Cache return values to avoid repeated function calls." on October 23rd 2018. Roundabout 1 day down the line they themselves composed a tiny bug removal commit described as "ignore colon with slash when split app_import_path" on October the 24th 2018. First time contributor jangjunha crafted a tiny bug removal

commit described as "Fix deferred callback doc" on October 25th 2018. Roughly 2 days down the road first time contributor Aditya created a commit called "Use https for external links wherever possible" on October the 27th 2018. On October 29th 2018 first time contributor Cyker Way crafted a tiny bug removal commit described as "Fix inconsistency in testing doc.". Roughly 6 days down the line on November the 4th 2018 first time contributor Dave Chevell authored a tiny fix commit called "Fix #2935: Copy current session object in copy_current_request_context (#2936)". About 3 days down the line on November the 7th 2018 first time contributor Adam Walsh authored a commit claiming to "Update sentry error handling documentation (#2990)" whilst Markus Unterwaditzer authored a tiny commit called "Fixes for sentry docs (#2991)". Roughly 5 days later on Monday, November 12th 2018 first time contributor Jarek Piórkowski added a commit with the message "Handle errors during create_url_adapter". Roughly 1 day later on November 13th 2018 they created a commit with the message "Correct tests" and a tiny commit called "Add changelog entry". First time contributor Andrew Crouse created a commit called "Update documentation for users to use flask-caching instead of the deprecated Werkzeug cache" on Monday, November 12th 2018. More than 3 weeks down the line on Saturday, December 8th 2018 first time contributor CasterWx added a tiny commit with the message "add classifiers". More than 1 week later first time contributor Oliver Bestwalter crafted a tiny bug fixing commit described as "Fix typo in class name" on December 21st 2018. Roundabout 2 weeks down the line on Friday, January 4th 2019 first time contributor Emlyn Price authored a tiny commit with the message "Add comment about using factory function in __init__.py". On January 5th 2019 David Lord composed a tiny commit claiming to "clear KeyError in production for Werkzeug 0.15" and a bug removal commit with the message "fix docs build". Matt Robenolt added a commit with the message "Add support for PathLike objects in static file helpers" on Thursday, January 3rd 2019. First time contributor Aly Sivji crafted a tiny commit with the message "Add SPA pattern to docs" on Tuesday, November 13th 2018. More than 2 weeks later on December the 1st 2018 Grey Li created a tiny commit called "Use imperative tense for CLI help text". Exactly 6 days down the line first time contributor Colin Adams composed a tiny commit described as "Clarify prefixing of URLs for blueprint endpoints" on Friday, December 7th 2018. More than 2 weeks down the line on December the 23rd 2018 chengkang added a tiny commit described as "Add Python 3.7 to CI.".

Around 2 weeks later on January the 6th 2019 David Lord composed a commit described as "use specific pypy versions for travis xenial". On December 14th 2018 first time contributor Jesse Seldess created a tiny defect fixing commit described as "Fix typos found while completing the Flask tutorial". More than 1 week later on Thursday, December 27th 2018 first time contributor Rohan Talip created a tiny commit described as "Corrected a typo in a docstring: "Help object" --> "Helper object"" when first time contributor Mark Amery added a tiny defect fixing commit described as "Clarify and add detail to tojson docs". Roundabout 2 days down the road on Saturday, December 29th 2018 first time contributor xtreak composed a tiny bug removing commit with the message "Fix DeprecationWarning on collections import". About 2 days down the line on Monday, December 31st 2018 they themselves authored a tiny commit described as "remove syntax warning from docstring". David Lord added a tiny commit with the message "use "-m virtualenv" in installation doc" and a tiny commit called "disable slow travis osx env" on Sunday, January 6th 2019. Ondřej Nový composed a tiny commit called "Install CONTRIBUTING.rst with MANIFEST.in" on September 18th 2018. First time contributor Douglas Thor crafted a commit called "document that Config.from_object uses object as-is" on Friday, July 6th 2018. About 11 weeks down the line on September the 21st 2018 chengkang crafted a tiny bug removing commit described as "Docs: fix some typos in config.rst". On Friday, July 27th 2018 first time contributor nathanbegbie crafted a tiny commit called "Update docs on larger applications wrt tutorial". More than 13 weeks down the road on Saturday, October 27th 2018 first time contributor Stephon Harris crafted a tiny commit described as "Adding conjunction where for clarification". More than 10 weeks down the line on Sunday, January 6th 2019 David Lord added a tiny commit claiming to "clarify where to call flask run from in tutorial". First time contributor Igor Ghisi added a commit called "Replace MongoKit by MongoEngine on docs" on October 24th 2018. More than 10 weeks down the road David Lord crafted a commit called "simplify mongoengine doc, redirect from mongokit" on January 6th 2019. On June the 11th 2018 Dilan Coss wrote a tiny commit with the message "add werkzeug to flask --version". More than 29 weeks later David Lord composed a tiny commit claiming to "clean up flask --version code" on Sunday, January 6th 2019. On October the 18th 2018 first time contributor Ignasi Bosch composed a tiny commit with the message "Allow partial content on bytesio". More than 11 weeks down the road on January the 7th 2019 David Lord composed a tiny commit

called "add changelog for GH-2957". Chengkang authored a tiny bug removing commit described as "Make sure the attachment filename is text type." on October the 4th 2018. Roundabout 4 weeks later first time contributor Jimmy Jia authored a tiny commit with the message "Do not handle RoutingExceptions with app error handlers" on November 1st 2018. More than 9 weeks down the line on January the 7th 2019 David Lord authored a tiny commit described as "add changelog for GH-2986" and a tiny commit with the message "remove encoding from method override pattern". First time contributor venus composed a tiny bug removal commit called "fix the typo" and a tiny fix commit with the message "fix the typo" on January 12th 2019. First time contributor Carson Ip wrote a tiny fix commit with the message "Fix typo in CHANGES.rst (#3077)" on January 18th 2019. Roundabout 1 week down the road first time contributor cclauss added a tiny commit with the message "_compat.py: Use feature detection instead of version detection" on Friday, January 25th 2019. More than 4 weeks later on February the 23rd 2019 first time contributor Martin Michlmayr created a tiny bug fixing commit called "Fix formatting issue in quickstart guide". On February the 24th 2019 the very same one crafted a tiny defect fixing commit described as "Fix typos in the documentation". More than 1 week down the road Grey Li crafted a tiny commit called "doc: Improve description for valid view func return value" on Wednesday, March 6th 2019. More than 5 weeks down the road they themselves authored a tiny bug removal commit described as "Fix typo in URL defaults example" on April the 12th 2019. About 3 days later on April 15th 2019 first time contributor Max created a tiny fix commit claiming to "Bump Jinja2 requirements". More than 2 weeks down the road first time contributor Matt Cooper wrote a commit described as "initial Azure Pipelines setup", a tiny commit claiming to "add TODOs", a tiny commit called "remove unsupported Python", a tiny commit called "one more todo", a commit with the message "add test output and a run against Python RC", a tiny commit claiming to "try moving junit into tox.ini", a tiny commit described as "do an allowed-failure the right way" and a tiny commit called "make a "future" toxenv" on May 4th 2019. First time contributor Peter Landoll crafted a tiny commit described as "Add link to official Discord chat server" whilst first time contributor David Baumgold created a fix commit with the message "fix RST line too long" on Monday, May 6th 2019. At the same time, first time contributor Lindsay Young wrote a commit with the message "Create CODE_OF_CONDUCT.md" when David Baumgold composed a tiny

commit called "Set up pre-commit to run black" and a gigantic commit with the message "Reformat with black". On May 8th 2019 first time contributor jaydarius composed a tiny commit called "use or to complete the either statement". Exactly 5 days down the line first time contributor Sebastian Jakubiak created a tiny bug removing commit called "Fix misplaced paren in docs" on Monday, May 13th 2019. On February 12th 2019 first time contributor RyanSquared created a tiny bug fixing commit called "helpers.py: Fix docs of url_for(..., _external=True)". More than 3 weeks down the line first time contributor jordan bonser authored a tiny commit described as "improve env vars config example" on Saturday, March 9th 2019. More than 3 weeks down the road first time contributor Abdur-Rahmaan Janhangeer added a tiny commit claiming to "Update CONTRIBUTING.rst" on April the 3rd 2019. More than 6 weeks down the line on May the 16th 2019 David Lord crafted a tiny fix commit described as "fix discord link, clean up". Adam Chainz wrote a tiny bug removing commit claiming to "Fix some HTML injection paths in examples" on March the 23rd 2019. More than 2 weeks down the road first time contributor Tom-McDonald crafted a tiny commit claiming to "replaced deprecated sample code in proxy-setup docs" on April 7th 2019. More than 2 weeks down the road on April the 23rd 2019 first time contributor Abhinav authored a tiny commit called "add more git commands to contributing doc". More than 3 weeks down the line David Lord added a tiny commit described as "add instructions for bug and feature branches" on May the 16th 2019. On April 24th 2019 first time contributor Charles Ross added a tiny commit called "update docs on gunicorn deploy and app discovery". More than 2 weeks down the line first time contributor A Brooks crafted a tiny bug fixing commit with the message "Fix various small spelling errors." on May 14th 2019. Roundabout 2 days down the line first time contributor Matt Cooper authored a tiny commit described as "add Azure Pipelines to readme" when David Lord created a tiny fix commit with the message "azure config, fix docs build" and a commit claiming to "azure pipelines ci on 1.0.x branch" on Thursday, May 16th 2019. First time contributor Michael E. Karpeles crafted a tiny commit with the message "removed unused reference to url_join" on April 26th 2019. On April 14th 2019 first time contributor brunoais wrote a tiny commit claiming to "More explicit explanation: session testing". More than 2 weeks down the road on May 3rd 2019 first time contributor DamianSkrzypczak crafted a tiny bug removal commit claiming to "Fix dev-server warning message readability (#3168)". About 2 weeks down the line David Lord

composed a commit called "don't push app context for test client json" and a tiny commit described as "release version 1.0.3" on Friday, May 17th 2019. First time contributor icreatedanaccount added a tiny commit called "Allow mode='rt' on open_resource() helper" on Monday, May 6th 2019. More than 1 week later on May the 17th 2019 David Lord crafted a commit called "clean up open_resource and tests" and a tiny commit called "add sphinx-issues". On May the 6th 2019 first time contributor LeeW crafted a tiny bug removal commit claiming to "Inherit "methods" in MethodView". Around 1 day down the line on May 7th 2019 first time contributor EtiennePelletier created a tiny commit with the message "Make jinja_options a dict rather than ImmutaleDict". More than 1 week later David Lord authored a commit described as "use dict literal syntax for jinja_options" on May 18th 2019. EtiennePelletier wrote a commit called "Use Werkzeug's JSONMixin class and update tests" and a tiny commit claiming to "Simplify flask.cli.main" when first time contributor Frankie Liu composed a tiny commit with the message "Remove ending slash from static_url_path" on May the 6th 2019. About 1 week down the road on May the 13th 2019 first time contributor Eruvanos added a commit described as "support dataclass in JSONEncoder". On January 8th 2019 first time contributor shidenggui authored a tiny commit with the message "allow customizing url map class". On September the 29th 2018 first time contributor vorelq added a tiny bug removal commit described as "Fix 0 port value being overriden by default". More than 1 week down the line first time contributor Adarsh Sharma composed a tiny bug removal commit described as "Fix #2937: Ensure the consistency in load_dotenv's return type" on October 11th 2018. More than 31 weeks down the line David Baumgold created a tiny commit claiming to "FakeSignal should stub connect_via method" on May the 19th 2019. On Thursday, May 23rd 2019 jab authored a tiny commit described as "Add pre-commit to dev dependencies, document it and pre-commit in CONTRIBUTING". Bruno Rocha composed a tiny bug removal commit called "Fix #2897 - Add `extra_files` option to `flask run` CLI" on August 31st 2018. Roundabout 38 weeks down the road on Friday, May 24th 2019 David Lord created a commit described as "add SeparatedPathType to accept multiple paths". First time contributor pgjones crafted a commit claiming to "Allow dictionary return values as JSON" on March 3rd 2019. More than 11 weeks later on Friday, May 24th 2019 David Lord wrote a commit claiming to "add quickstart about JSON responses". Anthony Plunkett authored a commit called "Add Blueprint level cli command registration" on May the 14th 2018.

Roughly 44 weeks down the line first time contributor Pete Beardmore added a tiny bug fixing commit called "fix 'static_url_path' defaulting for empty paths" on Monday, March 18th 2019. More than 9 weeks down the line David Lord composed a commit with the message "strip static url trailing slash at assignment" on May the 25th 2019. First time contributor Fantix King crafted a defect fixing commit claiming to "fix teardown bug in FlaskClient" on April the 16th 2019. More than 6 weeks down the line first time contributor Daniel Pope wrote a fix commit with the message "Fix style issues on master using Black" and a tiny commit claiming to "Enable stylecheck tox run on Azure pipelines" while jab crafted a tiny commit with the message "Add pre-commit install-hooks to first-time setup" and a tiny commit called "Close issues from commit messages in CONTRIBUTING" on May 31st 2019. Meanwhile, first time contributor Ryan Thielke added a tiny commit called "Issue #3226: Remove unused werkzeug datastructure import" while first time contributor Sang Min Park wrote a tiny commit described as "#3225: document". Concurrently, Daniel Pope wrote a tiny commit claiming to "Do not register empty CLI groups from Blueprint" whilst first time contributor Scott Crosby crafted a commit claiming to "Move python properties to decorator syntax". Simultaneously, first time contributor John Zeringue authored a tiny commit described as "Better error message when view return type is not supported" when first time contributor gokcegrbl authored a tiny commit with the message "Comment on bare except usage in _compat.py". Simultaneously, Daniel Pope composed a commit with the message "Convert make_test_environ_builder into class (fixes #3207)", a tiny commit claiming to "Create json_dumps() method on new EnvironBuilder" and a tiny bug removal commit claiming to "Fix name of kwargs parameter" while first time contributor ultimecia7 created a tiny bug fixing commit called "Fix testing documentation to demonstrate using test client with teardown". Simultaneously, first time contributor Diego Alberto Torres Quintanilla authored a tiny commit with the message "Guard against missing request context in logging docs." while first time contributor Paul Butler added a tiny commit with the message "Clarify documentation about how url_for uses configuration values (#2759)". Meanwhile, first time contributor cslecrone authored a tiny commit described as "don't require ssl module for flask cli" while first time contributor Jon S. Stumpf authored a commit described as "add pre-commit config for flake8" and a commit called "address flake8 issues". On June 1st 2019 David Lord wrote a tiny commit called "move to src

directory", a huge commit claiming to "apply reorder-python-imports pre-commit config" and a defect fixing commit with the message "fix string concats left over by black". Roundabout 6 days down the road on June the 7th 2019 they created a bug removal commit claiming to "fix tests failing with server name warnings". On Wednesday, June 12th 2019 David Lord added a tiny commit described as "remove codecov" while first time contributor Logan Wright composed a tiny commit claiming to "adds api error handling documentation". Concurrently, they themselves added a tiny commit called "reword api error section". First time contributor vdanain authored a tiny commit described as "document Blueprint params" on June the 2nd 2019. More than 1 week down the road David Lord created a commit claiming to "reword Blueprint class docstring" on Wednesday, June 12th 2019. First time contributor aligoren crafted a tiny commit with the message "document _get_exc_class_and_code params" on June 7th 2019. Roundabout 5 days later on June 12th 2019 David Lord added a tiny commit described as "reword _get_exc_class_and_code docstring". On February 24th 2019 first time contributor Elad Moshe added a commit claiming to "wait until app ctx is ready before matching url". More than 15 weeks later David Lord composed a commit called "move url matching after opening session" on June 13th 2019. They themselves crafted a commit with the message "always pass InternalServerError instance to 500 handler" and a commit described as "document behavior of very generic error handlers" on June the 19th 2019. Around 2 days later David Lord wrote a tiny commit described as "use dashes for command names" on June the 21st 2019. Roundabout 1 day down the line on June the 22nd 2019 the very same one composed a commit described as "standardize license and copyright" and a commit described as "standardize project metadata". On Sunday, June 23rd 2019 David Lord composed a gigantic commit claiming to "use sphinx-issues, rewrap changelog", a commit described as "update docs config", a defect fixing commit described as "fix docks linkcheck" and a tiny commit with the message "remove union merge attr". On Wednesday, June 26th 2019 they composed a tiny commit described as "don't clear BadRequestKeyError args". Exactly 1 day down the road on June the 27th 2019 David Lord wrote a tiny commit called "send_file quotes ":/" in UTF-8 filename". Around 4 days later first time contributor Anthony Sottile composed a huge commit with the message "Make the changelog UTF-8 compatible" while David Lord authored a tiny fix commit with the message "fix tests link" on July 1st 2019. Simultaneously, they composed a commit with the message "Fixes for

PEP451 import loaders and pytest 5.x". On June 30th 2019 first time contributor Abhinav Sagar composed a tiny commit with the message "Update cli.py". Roundabout 1 day down the road David Lord crafted a commit claiming to "use app.name as app.logger name" on Monday, July 1st 2019. Around 1 day down the road the very same one crafted a commit claiming to "show warning for old logger config" on July the 2nd 2019. About 1 day down the road on July the 3rd 2019 Adrian composed a tiny commit called "Move dotenv warning to stderr". On July 4th 2019 David Lord wrote a tiny commit called "release version 1.0.4" and a tiny commit claiming to "release version 1.1.0". Roughly 3 days down the line on July the 7th 2019 first time contributor Aadi Bajpai added a tiny commit claiming to "Update ISSUE_TEMPLATE.md". On July the 8th 2019 they crafted a tiny commit with the message "Comment out helpful tips in issue_template.md" while David Lord added a commit described as "restore and deprecate json_available" and a tiny commit claiming to "release version 1.1.1". Exactly 2 days down the road on July 10th 2019 aforementioned Stephane Wirtel crafted a tiny commit claiming to "Documentation: Use Python 3.5+" while David Lord composed a tiny commit described as "pass sys.argv to flask cli" and a tiny commit claiming to "pass sys.argv to flask cli". More than 1 week down the line on July 21st 2019 first time contributor makdon crafted a tiny commit described as "Add version '3.7' and a comma in "Running the test" of contributing guide.". On Thursday, July 18th 2019 Grey Li composed a commit described as "Update outdated extension doc". Roundabout 6 days later first time contributor linchiwei123 added a tiny commit claiming to "clean up outdated code" on Wednesday, July 24th 2019. More than 1 week down the road on August 1st 2019 Grey Li added a tiny bug removal commit with the message "Fix github link generator for docs". First time contributor Csirmaz Bendegúz crafted a tiny bug fixing commit described as "Fix typo in urlprocessors.rst" on Tuesday, July 30th 2019. David Lord composed a tiny bug removal commit described as "fix stylecheck" on August 1st 2019. More than 1 week down the line on August the 9th 2019 first time contributor Chris Zimmerman crafted a tiny bug removing commit described as "fixed typo in logging docstring (#3328)". Around 4 days down the line on August the 13th 2019 first time contributor Eido95 added a tiny commit claiming to "docs: Change max content length value to megabyte". Roundabout 2 days later first time contributor Arnav Borborah crafted a tiny fix commit claiming to "Fix typo in pop documentation" on Thursday, August 15th 2019. More

than 1 week down the road on August 25th 2019 first time contributor Constantin wrote a tiny bug removing commit described as "fix typo: base on -> based on". Exactly 4 days down the road on Thursday, August 29th 2019 first time contributor hharutyunyan crafted a tiny commit with the message "Updating contribution docs. Added the link with a guide to install pre-commit and made the pre-commit installation command a code block.". On September the 2nd 2019 first time contributor Nathan McKinley-Pace wrote a tiny commit called "Update testing.rst". Roughly 3 weeks down the road on Monday, September 23rd 2019 David Lord composed a commit with the message "update patterns, snippets, extensions docs" and a tiny commit claiming to "reword extension python version item". First time contributor bearnun added a tiny commit claiming to "mention default logging level" on Friday, August 30th 2019. More than 3 weeks later on September 24th 2019 David Lord added a commit described as "update docs for new theme". More than 1 week down the line first time contributor Mellcap Zhao composed a tiny defect fixing commit with the message "Fix link to header in CONTRIBUTING (#3382)" on October the 6th 2019. On October the 5th 2019 first time contributor Kristin Faner crafted a tiny bug removal commit claiming to "fix typo in request context docs". Roughly 1 week later David Lord authored a commit with the message "explain escape at top of quickstart" on Saturday, October 12th 2019. On September 24th 2019 first time contributor Doron Horwitz composed a commit described as "get_cookie_name in SessionInterface for easier overriding in SecureCookieSessionInterface". More than 2 weeks down the road first time contributor Marat Sharafutdinov added a tiny commit described as "Update reqcontext.rst" on October the 14th 2019. Pgjones wrote a commit described as "Support loading configuration from text files" on October 11th 2019. About 1 week down the line on Friday, October 18th 2019 David Lord created a commit with the message "clean up config.from_file docs". More than 1 week down the line on October 26th 2019 first time contributor erfanio authored a tiny commit described as "Change docs to use f-strings". On October 28th 2019 first time contributor Chris Lamb crafted a tiny commit with the message "Make the documentation build reproducibly" while first time contributor Fernanda Guimarães composed a tiny commit with the message "Test test_send_from_directory_bad_request no longer fails in Python 3.8.". Roughly 5 days down the line first time contributor Thiago J. Barbalho created a tiny fix commit described as "Fix typo" on Saturday, November 2nd 2019. More than 1 week down the road on November the 13th 2019

Jochen Kupperschmidt created a tiny commit claiming to "Update `versionadded` for `Config.from_file`". David Lord authored a tiny commit with the message "lazy load app on reload only" and a commit called "rewrite the development server docs" on Monday, November 18th 2019. On Saturday, October 19th 2019 first time contributor Aliaksei Urbanski authored a tiny commit called "declare support for Python 3.8". More than 4 weeks later on November the 18th 2019 David Lord authored a commit called "add 3.8 to pipelines", a tiny defect fixing commit claiming to "fix test pipeline display name" and a commit claiming to "send_file doesn't allow StringIO". On Friday, November 15th 2019 Grey Li wrote a tiny commit called "Replace old pocoo links everywhere" and a tiny commit described as "Use https for pallets URL". More than 1 week down the road Adrian wrote a tiny commit with the message "Remove comment about extension backwards compat" on November 25th 2019. More than 10 weeks later first time contributor Isaac To composed a tiny commit claiming to "This is a typo." and a tiny commit described as "A better expression for the intended meaning" on Thursday, February 6th 2020. Around 3 days down the road David Lord wrote a tiny commit with the message "next version 1.2.0" on February the 9th 2020. Roughly 1 day down the line on February the 10th 2020 they themselves created a tiny commit claiming to "xfail __main__ instance test interacting with tox" when first time contributor Latham Fell wrote a tiny commit claiming to "Add vscode settings dir to .gitignore". Meanwhile, Armin Ronacher authored a tiny commit described as "Pin Werkzeug < 1.0 for 0.12 (#3497)", a tiny commit called "Changelog for 0.12.5", a tiny commit called "Bump version number to 0.12.5" and a tiny commit claiming to "0.12.6.dev" when first time contributor raymond-devries authored a tiny commit with the message "Feature request #3445.". Meanwhile, David Lord added a tiny commit called "clean up merge". On Friday, November 22nd 2019 first time contributor Reece Dunham crafted a tiny commit claiming to "mention discord in issue template". More than 6 weeks down the line first time contributor Gregory Pakosz wrote a tiny commit described as "remove approved extensions in foreword" on January 4th 2020. First time contributor Marc Hernandez Cabot added a tiny defect fixing commit described as "fix docstring and remove redundant parentheses" on December 19th 2019. More than 7 weeks later David Lord composed a tiny commit with the message "cli checks for cryptography library" on February 9th 2020. On February 6th 2020 Isaac To wrote a tiny commit described as "Incorrect grammar". On Wednesday, January 22nd 2020

Grey Li created a tiny commit claiming to "add import for escape in quickstart". First time contributor frostming created a tiny commit with the message "strip the ending slash for static_url_path" on December 26th 2019. More than 1 week down the road on January the 3rd 2020 first time contributor yingshaoxo composed a tiny commit described as "pass static_url_path along with static_folder". More than 5 weeks later first time contributor Frost Ming added a tiny commit called "Handle different sep across os" on Wednesday, February 12th 2020. More than 2 weeks down the line first time contributor kylepollina composed a tiny defect fixing commit called "Fix typo in docs (#3517)" on Thursday, February 27th 2020. On February 28th 2020 first time contributor ongopongo crafted a tiny bug removal commit with the message "Fix property name in description". Roundabout 3 days down the line Jeff Widman added a tiny commit called "Remove deprecated `license_file` option" on Monday, March 2nd 2020. Around 2 days down the line first time contributor Peter G Kritikos wrote a tiny commit with the message "Move HTML escaping example back to Variable Rules." on March 4th 2020. First time contributor gutianci created a tiny commit with the message "docs: testing.rst function def missing colon" on Thursday, March 5th 2020. On February 23rd 2020 first time contributor kevinanew composed a tiny commit called "refactor variable choices into if blocks". More than 3 weeks down the line first time contributor Tobias Sette crafted a tiny commit described as "docs: update "Deploying on Google App Engine"" on Monday, March 16th 2020. First time contributor Shanavas M added a tiny commit with the message "Update deprecated for config.from_json" on March 18th 2020. Around 6 days down the line on March the 24th 2020 first time contributor mattc41190 authored a tiny commit with the message "itty bitty typo". The very same one authored a tiny bug fixing commit claiming to "Grammar and clarity fix" on March the 25th 2020. More than 1 week later David Lord composed a tiny commit called "update CLI docs IDE integration" and a commit claiming to "move html escaping to dedicated section" on April the 2nd 2020. First time contributor Jeenu Viswambharan composed a tiny commit with the message "clarify static_folder is relative to root_path" on March the 20th 2020. Roundabout 2 weeks later on April 3rd 2020 David Lord wrote a commit called "update deprecation versions", a tiny commit claiming to "release version 1.1.2", a huge commit described as "remove Python 2 from docs", a commit claiming to "drop support for Python 2.7 and 3.5", a commit described as "remove deprecated code" and a commit described as "remove _compat module".

On Saturday, April 4th 2020 the very same one authored a commit described as "remove more compat code", a commit claiming to "apply pyupgrade", a commit called "f-strings everywhere", a commit described as "remove unused module docstrings", a commit described as "remove unused ref directives" and a commit called "move package metadata to setup.cfg". Roundabout 3 days down the line David Lord wrote a commit described as "remove simplejson", a commit with the message "deprecate JSON encoding options", a commit called "update json docs", a commit claiming to "update docs requirements", a commit described as "deprecate passing script_info to factory" and a commit claiming to "use ast to parse FLASK_APP" on April the 7th 2020. More than 1 week later first time contributor jackwardell created a tiny commit with the message "add assert message for errorhandler exception type" on Thursday, April 16th 2020. More than 3 weeks later on Friday, May 8th 2020 Jeff Widman wrote a tiny bug removing commit called "Fix docs link for Flask-Uploads". More than 1 week later on May the 18th 2020 David Lord crafted a tiny commit claiming to "add readthedocs config". On May the 23rd 2020 they themselves crafted a tiny commit described as "add EditorConfig", a commit claiming to "reformat contributing doc", a commit described as "use pip-compile to pin dev requirements" and a commit described as "use GitHub Actions for CI". Exactly 4 days down the line on May the 27th 2020 first time contributor dependabot-preview[bot] wrote a tiny commit claiming to "Bump sphinx from 3.0.3 to 3.0.4 (#3624)". About 1 day down the line on May 28th 2020 the very same one crafted a tiny commit called "Bump pip-tools from 5.1.2 to 5.2.0 (#3627)". On June the 3rd 2020 dependabot-preview[bot] created a tiny commit called "Bump pytest from 5.4.2 to 5.4.3". Exactly 2 days later the very same one wrote a tiny commit called "Bump greenlet from 0.4.15 to 0.4.16" on Friday, June 5th 2020. First time contributor Kai Chen composed a tiny commit with the message "add section on copy/paste security" on Sunday, May 31st 2020. On June the 5th 2020 first time contributor Alan Swenson crafted a tiny commit described as "update code-block typo (#3642)". On Sunday, June 7th 2020 David Lord wrote a tiny commit called "expand section on copy/paste security". Around 1 day later on June 8th 2020 dependabot-preview[bot] authored a tiny commit claiming to "Bump tox from 3.15.1 to 3.15.2" and a tiny commit with the message "Bump sphinx from 3.0.4 to 3.1.0". Roughly 1 day later they themselves composed a tiny commit with the message "Bump pre-commit from 2.4.0 to 2.5.0" on June 9th 2020. Dependabot-preview[bot] added a tiny commit claiming to "Bump pip-

tools from 5.2.0 to 5.2.1" and a tiny commit claiming to "Bump pre-commit from 2.5.0 to 2.5.1" on Wednesday, June 10th 2020. On June the 11th 2020 David Lord added a commit described as "update contributing guide". Roundabout 4 days later dependabot-preview[bot] authored a tiny commit with the message "Bump sphinx from 3.1.0 to 3.1.1" on June the 15th 2020. On June 17th 2020 first time contributor iomintz wrote a tiny commit claiming to "[docs] streaming contents: use app.response_class". About 4 days down the line on June 21st 2020 first time contributor Leonardo Giordani composed a tiny commit claiming to "Removed misleading DEBUG variable from examples". About 2 days down the road the very same one created a tiny commit called "Changed example DATABASE_URI values", a tiny commit described as "Fixed trailing whitespace" and a tiny commit described as "Simplified version of file-based database" on Tuesday, June 23rd 2020. About 6 days down the line dependabot-preview[bot] created a tiny commit described as "Bump tox from 3.15.2 to 3.16.0" on Monday, June 29th 2020. On June the 30th 2020 they themselves composed a tiny commit with the message "Bump tox from 3.16.0 to 3.16.1". David Lord authored a tiny commit described as "update metadata" on July the 1st 2020. Dependabot-preview[bot] created a tiny commit described as "Bump pre-commit from 2.5.1 to 2.6.0" while first time contributor Sergei wrote a tiny commit called "API docs - changed flask.request description" on July 2nd 2020. On Friday, July 3rd 2020 first time contributor Deep R. Ode authored a tiny commit claiming to "Added very small clarification to quickstart.rst". Grey Li added a tiny commit called "Improve wording of tip for Unique URLs chapter" on July 5th 2020. They wrote a tiny commit described as "Stop change CWD to .env/.flaskenv location" on Tuesday, April 7th 2020. Around 1 week down the line Grey Li composed a tiny commit claiming to "Update changelog for load dotenv behaivour change" on Tuesday, April 14th 2020. More than 11 weeks later on July the 6th 2020 dependabot-preview[bot] composed a tiny commit claiming to "Bump python-dotenv from 0.13.0 to 0.14.0" and a tiny commit described as "Bump sphinx from 3.1.1 to 3.1.2". Jab composed a tiny commit described as "Restore support for using pathlib.Path for static_folder." and a tiny commit claiming to "Cherry-pick 7ba35c4 from master (support pathlib.Path for static_folder)" on Monday, April 20th 2020. More than 11 weeks down the line Armin Ronacher composed a tiny commit described as "Some small doc fixes" whilst David Lord crafted a tiny fix commit with the message "fix typo" on July 8th 2020. About 1 week down the road on July the 15th 2020

dependabot-preview[bot] composed a tiny commit described as "Bump tox from 3.16.1 to 3.17.0". Exactly 1 day down the road they created a tiny commit with the message "Bump tox from 3.17.0 to 3.17.1" on July the 16th 2020. On July the 21st 2020 Grey Li wrote a tiny commit called "Update Discord invite links". David Lord added a tiny commit claiming to "remove lowest version test until next release" on Thursday, July 23rd 2020. First time contributor Christopher Nguyen crafted a tiny commit with the message "change make_response to use headers.update" on Saturday, July 11th 2020. More than 1 week later on July 24th 2020 dependabot-preview[bot] wrote a tiny commit called "Bump tox from 3.17.1 to 3.18.0". Jackwardell added a huge commit with the message "consolidate error handling docs" on Saturday, May 2nd 2020. More than 8 weeks later first time contributor Ebonne Cabarrus created a huge commit called "more changes to consolidated error handling docs" on June the 29th 2020. More than 3 weeks down the line on July 26th 2020 first time contributor Martin Thoma created a tiny commit with the message "DOC: Remove unnecessary docstrings". Roundabout 1 day down the road on July 27th 2020 dependabot-preview[bot] wrote a tiny commit claiming to "Bump pip-tools from 5.2.1 to 5.3.0". On July the 28th 2020 jackwardell added a tiny commit called "swapping self.assert_equal for assert" when David Lord wrote a commit called "normalize sentence spacing", a commit claiming to "rewrite external debuggers section", a commit described as "adjust header levels and spacing", a commit described as "reduce section on http status codes" and a commit claiming to "rewrite debugging docs, move to separate page". Dependabot-preview[bot] composed a tiny commit claiming to "Bump pytest from 5.4.3 to 6.0.0" and a tiny commit with the message "Bump tox from 3.18.0 to 3.18.1" on Wednesday, July 29th 2020. On July 30th 2020 David Lord added a commit called "cleaner message when CLI can't load app". Around 1 day down the line on July 31st 2020 dependabot-preview[bot] composed a tiny commit claiming to "Bump pytest from 6.0.0 to 6.0.1". First time contributor yk396 crafted a huge commit claiming to "extract common Flask/Blueprint API to Scaffold base class" on Wednesday, July 22nd 2020. More than 1 week down the road on August 3rd 2020 dependabot-preview[bot] added a tiny commit described as "Bump pip-tools from 5.3.0 to 5.3.1". On August the 7th 2020 Grey Li crafted a tiny defect fixing commit described as "Fix bad intersphinx link" when dependabot-preview[bot] created a tiny commit described as "Bump tox from 3.18.1 to 3.19.0". Around 3 days down the line on August 10th 2020 dependabot-preview[bot] authored a tiny

commit with the message "Bump sphinx from 3.1.2 to 3.2.0". First time contributor Nils Philippsen crafted a tiny reverting commit claiming to "Discover app factory deterministically" on August the 13th 2020. Dependabot-preview[bot] wrote a tiny commit claiming to "Bump sphinx from 3.2.0 to 3.2.1" on August 17th 2020. On August the 23rd 2020 first time contributor WolframAlph created a tiny commit called "fixed #3738 typo in src/flask/blueprints.py" whilst jab composed a tiny bug removal commit described as "Fix pre-commit cache key in GitHub Actions. (#3740)". Dependabot-preview[bot] wrote a tiny commit described as "Bump pre-commit from 2.6.0 to 2.7.1" on August the 24th 2020. Ongopongo authored a tiny bug removing commit claiming to "fix typo in flask shell help (#3744)" on August 26th 2020. On August the 31st 2020 first time contributor Ryuichi Watanabe wrote a tiny commit described as "update cache action to v2 (#3749)". Exactly 1 week down the line on September the 7th 2020 dependabot-preview[bot] wrote a tiny commit with the message "Bump tox from 3.19.0 to 3.20.0". Exactly 1 week down the road they themselves crafted a tiny commit claiming to "Bump pytest from 6.0.1 to 6.0.2" on September the 14th 2020. First time contributor girst crafted a tiny commit described as "Correct Sentry advertisement (not Free Software) (#3758)" on September 15th 2020. More than 1 week later on September 26th 2020 first time contributor Ebram Shehata authored a tiny commit claiming to "Update quickstart.rst (#3767)". On Monday, September 28th 2020 first time contributor miquelvir authored a tiny fix commit claiming to "fix grammar (#3769)" whilst first time contributor sblondon crafted a tiny commit with the message "aesthetic: add a space after a comma (#3771)". Exactly 3 days later on October 1st 2020 dependabot-preview[bot] created a tiny commit called "Bump greenlet from 0.4.16 to 0.4.17". Around 2 days later on October the 3rd 2020 first time contributor Bogdan Opanchuk crafted a tiny commit described as "Break reference cycle created by default in Flask instances.". First time contributor Matěj Volf created a tiny commit called "refer to encoder instead of decoder" on October the 7th 2020. First time contributor Henry Kobin created a tiny commit called "updated Sentry link (#3788)" whilst first time contributor Paul Sanders crafted a tiny commit described as "parametrize some tests (#3786)" on Sunday, October 11th 2020. First time contributor Jamiu Salimon created a tiny commit with the message "Update the signature of the teardown function (#3730)" whilst dependabot-preview[bot] created a tiny commit claiming to "Bump pytest from 6.0.2 to 6.1.1 (#3790)" on Thursday, October 15th 2020. On

October the 16th 2020 Grey Li composed a huge defect fixing commit with the message "Add command switch tabs for Bash, CMD and Powershell with sphinx-tabs (#3714)". About 5 days down the line on October the 21st 2020 first time contributor Bart Broere created a tiny commit called "removing outdated xhtml information (#3802)". More than 1 week later on Thursday, October 29th 2020 first time contributor Sebastian Höffner wrote a tiny commit claiming to "Updating external_url_handler example to Python 3 (#3816)". Xtreak authored a tiny commit with the message "test Python 3.9" on October 10th 2020. About 3 weeks down the line on October 31st 2020 David Lord crafted a tiny defect fixing commit claiming to "fix response bases order" and a tiny commit called "remove pre-commit job, using pre-commit.ci now". On November 1st 2020 first time contributor Viet Hung Nguyen added a tiny commit described as "mkstemp returns a file descriptor (#3809)". On October 31st 2020 David Lord wrote a huge commit described as "move json tests to separate file" and a tiny commit described as "test json.dumps for object with __html__ method". Roughly 1 day down the line on November 1st 2020 dependabot-preview[bot] composed a tiny commit called "Bump pre-commit from 2.7.1 to 2.8.2 (#3821)", a tiny commit claiming to "Bump sphinx-tabs from 1.1.13 to 1.3.0 (#3822)", a tiny commit called "Bump tox from 3.20.0 to 3.20.1 (#3819)" and a tiny commit with the message "Bump pytest from 6.1.1 to 6.1.2 (#3818)" when David Lord wrote a commit described as "update requirements (#3823)". David Lord added a commit described as "update tests for new werkzeug client (#3827)" whilst first time contributor Mathurshan Vimalesvaran wrote a tiny commit described as "include samesite and secure when removing session cookie (#3726)" on November the 4th 2020. First time contributor Sarthak Vineet Kumar composed a tiny commit claiming to "updated doc for mod_wsgi (#3751)" whilst David Lord authored a huge commit with the message "move send_file and send_from_directory to Werkzeug" on November 5th 2020. More than 1 week later on November the 13th 2020 David Lord authored a tiny commit described as "add lock threads workflow". On Saturday, November 14th 2020 they crafted a tiny commit called "reduce lock schedule to daily". Roughly 2 days down the line first time contributor pre-commit-ci[bot] authored a tiny commit claiming to "[pre-commit.ci] pre-commit autoupdate" on November 16th 2020. Roundabout 1 day down the road first time contributor Pedro Lourenço wrote a tiny commit called "update deprecated set-env ci command (#3835)" while first time contributor Pedro Lourenço added a tiny bug removing commit called

"Fix ci environment command syntax (#3836)" on Tuesday, November 17th 2020. On November the 23rd 2020 pre-commit-ci[bot] authored a tiny commit claiming to "[pre-commit.ci] pre-commit autoupdate". About 4 weeks down the road they crafted a tiny commit called "[pre-commit.ci] pre-commit autoupdate" on Monday, December 21st 2020. More than 1 week down the line on Wednesday, December 30th 2020 first time contributor jordivandooren added a tiny bug removing commit claiming to "fix explanation of wheel name (#3848)". About 2 days down the road dependabot-preview[bot] added a tiny commit called "Bump sphinx from 3.2.1 to 3.4.1", a tiny commit called "Bump pre-commit from 2.8.2 to 2.9.3", a tiny commit described as "Bump pip-tools from 5.3.1 to 5.5.0" and a tiny commit with the message "Bump packaging from 20.4 to 20.8" on Friday, January 1st 2021. On Sunday, January 3rd 2021 Grey Li added a tiny commit with the message "Silence pytest warnings for exception propagation test" and a tiny commit with the message "Bump pytest from 6.1.2 to 6.2.1" while first time contributor huimingz crafted a tiny commit called "Document parameter description error". On January 4th 2021 they themselves composed a tiny bug removal commit claiming to "Fix broken func directives in docstrings". About 2 days later on Wednesday, January 6th 2021 Grey Li created a tiny commit claiming to "Update the example in README". Roundabout 3 weeks down the road on Wednesday, January 27th 2021 first time contributor Elliott King authored a tiny commit called "Clarify json error handling". David Lord added a commit with the message "remove JSONMixin", a tiny commit claiming to "remove BaseRequest and BaseResponse", a tiny commit claiming to "rename send_file add_etags to etag", a tiny commit claiming to "simplify BadRequestKeyError.show_exception", a tiny commit described as "simplify InternalServerError.original_exception" and a tiny commit with the message "click detects program name when run as module" on January the 29th 2021. Exactly 3 days down the road on February 1st 2021 the very same one composed a tiny commit called "remove Jinja 'autoescape' and 'with' extensions". Dependabot-preview[bot] created a commit claiming to "Bump tox from 3.20.1 to 3.21.3", a tiny commit with the message "Bump pre-commit from 2.9.3 to 2.10.0", a commit claiming to "Bump greenlet from 0.4.17 to 1.0.0", a commit described as "Bump sphinx-tabs from 1.3.0 to 2.0.0", a tiny commit called "Bump sphinx from 3.4.1 to 3.4.3", a tiny commit called "Bump jinja2 from 2.11.2 to 2.11.3", a tiny commit claiming to "Bump pytest from 6.2.1 to 6.2.2" and a tiny commit called "Bump packaging from 20.8 to 20.9" on

February 2nd 2021. On Monday, February 1st 2021 pre-commit-ci[bot] wrote a tiny commit called "[pre-commit.ci] pre-commit autoupdate". On January 30th 2021 first time contributor Tony De La Nuez crafted a tiny commit called "got_request_exception only sends unhandled exceptions". First time contributor Matthew Preble crafted a commit claiming to "Ensure session_interface.open_session is called after URL matching (#3776)" on October 16th 2020. More than 15 weeks later on Monday, February 1st 2021 David Lord authored a commit with the message "use Jinja's tojson filter". Exactly 1 week later they authored a commit called "remove test relying on Werkzeug Local internals" whilst pre-commit-ci[bot] crafted a tiny commit called "[pre-commit.ci] pre-commit autoupdate" on Monday, February 8th 2021. Meanwhile, David Lord crafted a tiny commit called "update test config", a commit called "update issue templates", a tiny commit described as "add security policy", a commit called "update requirements" and a commit described as "update contributing guide". On February the 16th 2021 they themselves composed a tiny commit called "use rtd to build docs for prs". Roundabout 3 days down the road Grey Li added a tiny commit called "Remove the mention of Flask-OAuth in the extension dev docs" on February the 19th 2021. Roundabout 5 days down the road on February the 24th 2021 David Lord crafted a commit claiming to "update project links", a tiny commit with the message "docs rename changelog to changes" and a tiny commit described as "move version to setup.cfg". About 1 day down the road on February the 25th 2021 Grey Li composed a tiny commit described as "update json.dumps for http_date changes". Roundabout 4 days down the road on Monday, March 1st 2021 dependabot-preview[bot] crafted a tiny commit with the message "Bump tox from 3.21.4 to 3.22.0" and a tiny commit with the message "Bump sphinx from 3.4.3 to 3.5.1". Pgjones created a commit with the message "Add syntatic sugar for route registration" on February 14th 2021. Roughly 1 week down the line they authored a commit described as "Utilise defaultdicts" on February the 21st 2021. Pgjones added a tiny commit described as "remove _blueprint_order, dicts are ordered" on February 23rd 2021. More than 2 weeks down the road Grey Li composed a tiny commit described as "Set default encoding to UTF-8 for load_dotenv" on Wednesday, March 10th 2021. David Lord crafted a huge commit with the message "move _PackageBoundObject into Scaffold" and a commit described as "rewrite Scaffold docs" on March the 8th 2021. They themselves crafted a tiny commit claiming to "remove old note about InternalServerError" on March 9th 2021.

Roundabout 1 day down the line on March 10th 2021 David Lord composed a tiny commit called "remove redundant _register_error_handler" and a commit with the message "only extend on first registration". Exactly 5 days down the line on Monday, March 15th 2021 pre-commit-ci[bot] authored a tiny commit described as "[pre-commit.ci] pre-commit autoupdate". On March the 16th 2021 first time contributor kangetsu121 authored a tiny bug fixing commit with the message "fix a broken link". Pre-commit-ci[bot] wrote a tiny commit called "[pre-commit.ci] pre-commit autoupdate" on March the 22nd 2021. Around 2 weeks down the road they themselves composed a tiny commit with the message "[pre-commit.ci] pre-commit autoupdate" on Monday, April 5th 2021. Pgjones added a commit with the message "Add `async` support" on July 6th 2020. More than 31 weeks later the very same one added a tiny commit described as "Raise a runtime error if run_async is called without real ContextVars" on February the 10th 2021. More than 7 weeks down the road dependabot-preview[bot] crafted a tiny defect fixing commit called "[Security] Bump urllib3 from 1.26.3 to 1.26.4" on Tuesday, April 6th 2021. On Wednesday, March 24th 2021 pgjones composed a commit claiming to "Alter ensure_sync implementation to support extensions". More than 1 week down the road on April 6th 2021 David Lord composed a tiny commit described as "skip async tests if asgiref isn't installed" and a commit with the message "update async docs". Exactly 6 days down the road on Monday, April 12th 2021 pre-commit-ci[bot] created a tiny commit claiming to "[pre-commit.ci] pre-commit autoupdate". On April the 11th 2021 pgjones authored a tiny commit with the message "Bugfix iscoroutinefunction with Python3.7". On Wednesday, February 24th 2021 the very same one added a commit described as "Nested blueprints". Roundabout 7 weeks down the line David Lord created a tiny commit claiming to "shell calls sys.__interativehook__" on Wednesday, April 14th 2021. On Thursday, April 15th 2021 they themselves crafted a commit with the message "consistent versions and deprecation messages", a commit claiming to "locked_cached_property subclasses cached_property", a tiny commit claiming to "deprecate total_seconds" and a tiny commit called "remove _os_alt_seps". On April 16th 2021 pgjones crafted a tiny bug removing commit with the message "Fix wrapped view function comparison" when David Lord authored a tiny commit with the message "update pallets-sphinx-themes", a commit with the message "update requirements", a tiny commit claiming to "update deprecated pre-commit hook", a tiny commit called "update minimum install requirements" and

a tiny commit described as "release version 2.0.0rc1". Exactly 1 day later on April the 17th 2021 they themselves added a tiny commit with the message "Update the docs on serving with ASGI" and a tiny commit with the message "Update documentation on asyncio background tasks". Grey Li crafted a tiny defect fixing commit with the message "Fix typo in issue template" on Thursday, April 22nd 2021. On April the 24th 2021 David Lord crafted a tiny commit called "changelog for bumped pallets versions". Pgjones crafted a commit with the message "Initial typing support" on April the 23rd 2021. They themselves crafted a gigantic commit called "Add initial type hints" on April 24th 2021. Roughly 2 days down the line pre-commit-ci[bot] authored a tiny commit described as "[pre-commit.ci] pre-commit autoupdate" on Monday, April 26th 2021. Adrian composed a commit called "Move get_root_path back to flask.helpers" and a tiny commit called "Allow using Click 7 with a DeprecationWarning" on Saturday, April 24th 2021. Roughly 4 days down the road Grey Li created a tiny commit with the message "Update changelog for #3932" when dependabot-preview[bot] created a tiny commit described as "Upgrade to GitHub-native Dependabot" on April 28th 2021. At the same time, first time contributor dependabot[bot] created a tiny commit claiming to "Bump pre-commit from 2.12.0 to 2.12.1". On Thursday, April 29th 2021 Grey Li wrote a tiny commit described as "Add tips for using async on Windows on Python 3.8". Dependabot[bot] created a tiny commit claiming to "Bump python-dotenv from 0.17.0 to 0.17.1" on May 1st 2021. About 1 day down the line on May 2nd 2021 first time contributor Joshua Bronson composed a tiny commit claiming to "Minor docs fixes. (#3988)" while pgjones authored a commit described as "Remove context copying from run_async function" and a commit described as "Simplify the async handling code". Pgjones wrote a bug removal commit described as "Remove the async helper method" whilst David Lord authored a tiny commit described as "release version 2.0.0rc2" on May the 3rd 2021. At the same time, pre-commit-ci[bot] created a tiny commit described as "[pre-commit.ci] pre-commit autoupdate". On May the 10th 2021 they created a tiny commit described as "[pre-commit.ci] pre-commit autoupdate" whilst David Lord created a tiny commit with the message "show type hints in description". On May the 6th 2021 Grey Li authored a tiny commit claiming to "Improve the wording of using FLASK_APP". On Tuesday, May 11th 2021 David Lord added a tiny commit described as "update pre-commit monthly", a commit with the message "update requirements", a tiny commit described as "update pallets projects

minimum versions", a tiny commit with the message "update type annotations", a tiny commit claiming to "release version 2.0.0", a tiny commit called "start version 2.0.1.dev0", a tiny commit with the message "start version 2.1.0.dev0", a tiny commit described as "update click minimum version" and a tiny commit called "rename default branch in files". On May 12th 2021 Adrian wrote a tiny commit described as "Install sphinx 4.1-dev from git" when Grey Li composed a tiny bug fixing commit claiming to "Fix typo in the example of nesting bp docs" and a tiny fix commit described as "Fix typo in the example of nesting bp docs". Meanwhile, first time contributor Andrew J Roth created a tiny commit claiming to "Added Google Cloud Run as a Hosted option" when Grey Li crafted a tiny commit described as "Re-add filename param for send_from_directory". On Thursday, May 13th 2021 first time contributor oleksis created a tiny defect fixing commit with the message "Fix Fork link". On May 12th 2021 David Lord crafted a commit claiming to "mark top-level names as exported". Exactly 1 day down the line on Thursday, May 13th 2021 they themselves created a tiny bug removing commit claiming to "fix annotation for g object", a tiny commit called "inform mypy that g has arbitrary attributes" and a tiny bug removal commit described as "fix typing that wasn't available in Python 3.6.0". Grey Li created a commit with the message "improve type hints for send_file and send_from_directory" on May the 12th 2021. On Thursday, May 13th 2021 David Lord composed a commit described as "blueprint name may not contain a dot" while Grey Li added a fix commit described as "fix url_prefix argument when nesting blueprints". Meanwhile, they themselves wrote a tiny commit called "set maximum versions of pallets dependencies" and a tiny commit with the message "release version 1.1.3" whilst first time contributor brettlangdon added a tiny commit called "Use compat fspath instead of os.fspath". At the same time, David Lord crafted a tiny commit with the message "release version 1.1.4". They themselves authored a commit described as "converters have access to session" while first time contributor Rafael Aviles authored a tiny commit claiming to "Use escape function in return statement for username and subpath." on May 14th 2021. Pgjones wrote a tiny defect fixing commit claiming to "Fix nested blueprint url_prefix" whilst first time contributor Danny Sepler authored a commit described as "Add pathlib in cli tests" on May the 16th 2021. David Lord crafted a tiny commit with the message "use _typeshed.wsgi instead of wsgiref.types" on May 17th 2021. On Thursday, May 20th 2021 they wrote a tiny commit claiming to "re-add deprecated Config.from_json

method", a tiny commit called "update pallets-sphinx-themes" and a tiny commit described as "update pallets and sphinx requirements". Exactly 1 day down the road first time contributor Oleksis Fraga Menéndez authored a tiny commit described as "Add update pip and setuptools section (#4061)" on Friday, May 21st 2021. On May the 15th 2021 first time contributor Alex Hedges crafted a tiny commit with the message "Make add_url_rule() signature consistent". Roundabout 2 days down the road the very same one authored a tiny commit claiming to "Use TypeVar for setupmethod()", a tiny commit claiming to "Improve decorator factory type signatures" and a tiny commit called "Update CHANGES.rst" on May 17th 2021. Exactly 4 days later Grey Li added a tiny commit described as "Add venv and .venv to .gitignore" and a tiny defect fixing commit with the message "Fix view decorators docs" on May 21st 2021. Pgjones crafted a bug removal commit described as "Fix blueprint nested url_prefix", a commit called "Bugfix blueprint naming" and a tiny commit called "Bugfix allow blueprints to be registered with a different name" on Tuesday, May 18th 2021. Exactly 2 days down the line David Lord wrote a commit described as "cache blueprint path calculation", a tiny commit described as "changelog for blueprint registered name" and a commit described as "warn when registering same blueprint with same name" on May the 20th 2021. Roughly 1 day later pgjones authored a tiny fix commit with the message "Fix blueprint self registration" and a tiny defect fixing commit with the message "Fix blueprint renaming" while David Lord composed a tiny commit called "improve typing for `stream_with_context`", a tiny commit described as "release version 2.0.1" and a tiny commit described as "start version 2.0.2.dev0" on Friday, May 21st 2021. About 3 days down the road Grey Li composed a tiny bug removal commit with the message "Fix typo in docs/tutorial/index.rst" while first time contributor Pascal Corpet authored a tiny commit claiming to "improve typing for `teardown_request`" on May 24th 2021. About 1 day down the line on Tuesday, May 25th 2021 Marat Sharafutdinov authored a tiny defect fixing commit called "Fix type annotation for `before_request` and `before_app_request` decorators". On Sunday, May 30th 2021 first time contributor default-303 authored a tiny bug fixing commit with the message "Fix typing of jinja decorators (#4109)". First time contributor laggardkernel wrote a tiny commit claiming to "Update doc about minimal Python version for async support" on Wednesday, May 12th 2021. More than 2 weeks later dependabot[bot] crafted a tiny commit called "Bump pre-commit from 2.12.1 to 2.13.0" whilst laggardkernel

authored a tiny commit with the message "Optimize loop in Flask._find_error_handler()" on Tuesday, June 1st 2021. Miguel Grinberg authored a commit with the message "Support View and MethodView instances with async handlers" on May 28th 2021. About 4 days later pre-commit-ci[bot] composed a tiny commit claiming to "[pre-commit.ci] auto fixes from pre-commit.com hooks" on June 1st 2021. Pascal Corpet authored a commit with the message "improve typing for `app.errorhandler` decorator" on Monday, May 31st 2021. Roughly 2 days down the line dependabot[bot] authored a commit called "Bump urllib3 from 1.26.4 to 1.26.5 in /requirements" on June the 2nd 2021. On Sunday, June 6th 2021 pgjones authored a tiny defect fixing commit claiming to "Improve the changelog entry". On Tuesday, June 8th 2021 first time contributor Hugo Montenegro created a tiny commit claiming to "Update celery.rst". On Monday, June 14th 2021 Grey Li crafted a tiny commit claiming to "Improve the contributing guide". On June 5th 2021 pgjones composed a tiny bug removal commit claiming to "Fix registering a blueprint twice with differing names". More than 1 week down the road on June the 18th 2021 first time contributor Frank Yu authored a tiny commit described as "Update docs of rendering templates (#4153)" whilst first time contributor Frank Yu created a tiny commit with the message "Update templating.rst" and a tiny commit with the message "Update testing.rst". Exactly 2 days down the road on June the 20th 2021 Frank Yu created a tiny commit described as "Change flask.xxx to plain version in testing docs". Grey Li authored a tiny bug removing commit claiming to "Fix typo in docs/views.rst" on June the 26th 2021. About 5 days down the road on July 1st 2021 dependabot[bot] crafted a commit claiming to "Bump sphinx-tabs from 3.0.0 to 3.1.0", a tiny commit with the message "Bump asgiref from 3.3.4 to 3.4.0", a tiny commit described as "Bump pip-tools from 6.1.0 to 6.2.0", a tiny commit with the message "Bump python-dotenv from 0.17.1 to 0.18.0" and a tiny commit with the message "Bump mypy from 0.812 to 0.910" whilst Grey Li composed a tiny bug removal commit claiming to "Fix typing import issues". Exactly 4 days down the line on Monday, July 5th 2021 pre-commit-ci[bot] composed a tiny commit claiming to "[pre-commit.ci] pre-commit autoupdate". On July the 6th 2021 Adrian authored a tiny bug fixing commit described as "Fix typo in docs". On July 7th 2021 Frank Yu wrote a tiny commit described as "Omit the type attribute of script tag", a tiny commit claiming to "Omit the type attribute of script tag" and a tiny bug removal commit claiming to "Fix link in ASGI docs (#4191)" while first time contributor Elahi-cs

created a tiny bug removing commit claiming to "Small SQL formatting fix". More than 3 weeks down the road on August the 1st 2021 dependabot[bot] added a tiny commit called "Bump tox from 3.23.1 to 3.24.1", a tiny commit called "Bump sphinx from 4.0.2 to 4.1.2", a tiny commit called "Bump python-dotenv from 0.18.0 to 0.19.0" and a tiny commit claiming to "Bump asgiref from 3.4.0 to 3.4.1". Roughly 1 day down the line pre-commit-ci[bot] crafted a tiny commit called "[pre-commit.ci] pre-commit autoupdate" on August the 2nd 2021. First time contributor kaushik kothiya created a tiny commit described as "Wrong variable name use" while first time contributor Karuna Tata crafted a tiny commit with the message "document return value for config loading methods" on August the 5th 2021. On Monday, June 7th 2021 first time contributor Angeline authored a commit called "safer check for existing user in tutorial". More than 1 week later on June the 16th 2021 first time contributor Yourun-Proger crafted a tiny commit claiming to "static_folder can be a pathlib.Path". Roundabout 3 days down the line first time contributor default-303 created a tiny commit with the message "jsonify encodes decimal to str" on June the 19th 2021. About 4 days down the line first time contributor Rohan salwan created a tiny commit claiming to "correctly handle raising deferred errors in cli lazy loading" on June the 23rd 2021. More than 6 weeks down the line David Lord created a tiny commit described as "add test for lazy loading error" on Thursday, August 5th 2021. On June 25th 2021 first time contributor na2shell added a commit described as "cli loader handles kwargs in app factory". More than 6 weeks down the line on August 8th 2021 first time contributor Emil Sadek composed a tiny commit called "update pip link". David Lord authored a commit claiming to "update requirements", a tiny commit with the message "update pre-commit hooks", a tiny commit with the message "add type stub packages", a tiny commit called "install type stubs from requirements" and a tiny commit called "add type stub packages" on August the 10th 2021. On August the 13th 2021 Grey Li added a tiny commit claiming to "Remove the mention of Flask-Uploads in uploading docs". More than 2 weeks down the road first time contributor nabbisen wrote a tiny commit with the message "Update cherokee links in docs/deploying (#4249)" on August 29th 2021. Roughly 3 days down the road on September the 1st 2021 dependabot[bot] composed a tiny commit described as "Bump cryptography from 3.4.7 to 3.4.8", a tiny commit claiming to "Bump pre-commit from 2.14.0 to 2.14.1", a tiny commit claiming to "Bump tox from 3.24.1 to 3.24.3" and a tiny commit claiming to "Bump pytest from

6.2.4 to 6.2.5". Exactly 5 days later pre-commit-ci[bot] composed a tiny commit described as "[pre-commit.ci] pre-commit autoupdate" on Monday, September 6th 2021. First time contributor Mindiell created a tiny bug removing commit described as "Fix typo in docs (#4261)" while David Lord wrote a tiny commit claiming to "update pre-commit hooks" and a tiny commit called "update requirements" on Wednesday, September 8th 2021. First time contributor Kevin Kirsche created a tiny bug removing commit described as "fix: typo docs/debugging.rst:72" on Tuesday, September 14th 2021. More than 1 week down the line first time contributor Pedro Torcatt authored a tiny bug fixing commit claiming to "Fix grammatical error (#4268)" on September 22nd 2021. More than 1 week later on October the 1st 2021 David Lord composed a commit with the message "use exception chaining" and a commit with the message "update requirements". First time contributor Kasper Primdal Lauritzen composed a tiny bug removing commit described as "Fix broken link to Flask-WTF" on Monday, September 27th 2021. On Wednesday, September 22nd 2021 Pedro Torcatt crafted a tiny defect fixing commit called "fix docs for Flask.test_client_class". First time contributor Seth Rutner authored a tiny fix commit described as "fix grammar in links to app and request context" on September the 21st 2021. More than 1 week later first time contributor Makonede wrote a tiny bug removing commit claiming to "fix list numbering" on October 1st 2021. First time contributor Matthias Paulsen composed a bug removal commit claiming to "Fix callback order for nested blueprints" on August 10th 2021. More than 7 weeks down the road on October the 3rd 2021 David Lord composed a commit with the message "use similar code for all callback-applying methods". The very same one crafted a tiny commit claiming to "release version 2.0.2" on October the 4th 2021. About 1 day later David Lord created a tiny commit called "try to address flakiness of lazy loading test" and a tiny commit called "allow lazy loading test to fail on pypy" on October 5th 2021. Roughly 1 week later on Tuesday, October 12th 2021 first time contributor Kevin Kirsche created a tiny commit claiming to "use secrets instead of os.urandom". On October 16th 2021 first time contributor karintou8710 wrote a tiny commit with the message "Fixes old print statement in some documentation pages". On October 18th 2021 first time contributor Ryan Nevius crafted a tiny defect fixing commit claiming to "Fix example `SECRET_KEY` generation code". Roughly 2 weeks down the road David Lord wrote a commit claiming to "update requirements" on November 1st 2021. They crafted a tiny commit described as "test

Python 3.10 and 3.11" on November the 5th 2021. About 2 days later first time contributor Chenwei Xiao composed a tiny commit described as "Correct the actual unescaped character" on Sunday, November 7th 2021. Around 4 days later on November 11th 2021 David Lord created a commit claiming to "drop Python 3.6", a commit called "remove ContextVar compat" and a commit described as "update docs about gevent/eventlet/greenlet". About 1 day down the road they composed a commit described as "remove deprecated script_info factory arg", a commit called "remove deprecated config.from_json", a commit called "remove deprecated json encoding parameter", a tiny commit described as "remove deprecated safe_join", a tiny commit called "remove deprecated total_seconds", a tiny commit claiming to "same blueprint cannot be registered with same name" and a tiny commit described as "extend deprecation for renamed send_file params" on Friday, November 12th 2021. On November the 15th 2021 David Lord crafted a tiny commit with the message "remove click 7 tox env", a commit claiming to "test min/dev versions of pallets deps", a tiny commit described as "exclude greenlet tests on python 3.11" and a commit called "deprecate as_tuple". On Thursday, October 7th 2021 first time contributor Bojan Delić authored a tiny bug removal commit described as "fix errorhandler type check". More than 2 weeks down the road on October 25th 2021 Henry Kobin added a tiny commit claiming to "made ImportError verbose in cli.py". Exactly 6 days later on Sunday, October 31st 2021 David Lord authored a tiny commit described as "document session lifetime and possible concurrency issues". On Saturday, October 16th 2021 pgjones composed a tiny commit claiming to "copy_current_request_context can decorate async functions". More than 4 weeks later on November 16th 2021 David Lord wrote a tiny commit called "deprecate RequestContext.g", a commit claiming to "replace nbsp characters" and a commit described as "document address already in use error". More than 4 weeks later on December the 16th 2021 first time contributor Jürgen Gmach created a tiny defect fixing commit called "fix typo". About 6 days down the line David Lord composed a commit claiming to "update requirements", a tiny commit claiming to "updates go to maintenance branch" and a tiny commit with the message "update github actions" while dependabot[bot] crafted a tiny commit with the message "Bump dessant/lock-threads from 2 to 3" on December 22nd 2021. Meanwhile, the very same one composed a tiny commit called "updates go to maintenance branch" and a tiny commit with the message "update option names for v3". On November the 20th 2021 first time

contributor olliemath created a tiny commit with the message "Only use a custom JSONDecoder if needed". Yourun-Proger added a tiny bug fixing commit claiming to "fix error message" on November 19th 2021. More than 4 weeks down the road on December 22nd 2021 David Lord added a tiny commit claiming to "update error message for after_this_request and copy_current_request_context". Grey Li composed a tiny bug removing commit with the message "Fix the command for checking port on macOS in server docs" on December the 12th 2021. More than 1 week down the line on December 22nd 2021 David Lord wrote a tiny commit called "pin os and python version in rtd build", a tiny commit called "pin os and python version in rtd build" and a tiny commit described as "pin os and python version in rtd build". More than 3 weeks down the line on Thursday, January 13th 2022 the very same one authored a commit called "update requirements" and a commit with the message "update tool config". First time contributor otherJL0 created a commit called "Adding Fish commands to docs" on January the 11th 2022. On December the 30th 2021 first time contributor Cameron Dahl wrote a tiny commit called "Remove X-XSS-Protection suggestion". More than 2 weeks down the line David Lord wrote a commit described as "remove deprecated as_tuple parameter from test_client" on January the 14th 2022. On January the 17th 2022 first time contributor K900 composed a tiny commit with the message "cli: use importlib.metadata instead of pkg_resources". More than 1 week down the road on January the 27th 2022 first time contributor Stefane Fermigier added a tiny commit claiming to "Match typing declaration with implementation.". More than 1 week later on February the 7th 2022 pre-commit-ci[bot] wrote a tiny commit called "[pre-commit.ci] pre-commit autoupdate". Around 1 day down the line David Lord authored a tiny commit with the message "reword changelog for importlib.resources", a commit described as "use pip-compile-multi for requirements", a tiny bug removing commit described as "fix pytest 7 warnings", a tiny commit with the message "cache pip with setup-python action" and a tiny commit claiming to "stop using dependabot for python, too noisy" on February the 8th 2022. On February the 9th 2022 the very same one composed a tiny commit called "update requirements" and a commit called "overriding FlaskClient.open works with redirects". On Tuesday, July 6th 2021 first time contributor Mickaël Guérin authored a commit described as "add `exclude-patterns` option to `flask run`". More than 31 weeks down the line David Lord authored a huge commit described as "rewrite testing docs" on Sunday, February 13th

2022. On Monday, February 14th 2022 they authored a tiny commit with the message "release version 2.0.3". First time contributor Colin Adams crafted a tiny bug removing commit called "Fix typing on `app.session_interface`" on February the 16th 2022. David Lord composed a tiny commit claiming to "pin setuptools for reorder_python_imports" on February 17th 2022. Exactly 5 days later on Tuesday, February 22nd 2022 they themselves created a tiny commit claiming to "lazy loading preserves click context". Around 1 week down the line dependabot[bot] wrote a tiny commit called "Bump actions/setup-python from 2 to 3" on March 1st 2022. About 1 week later first time contributor Tushar Sadhwani added a tiny commit claiming to "Add better types for app decorators" on March the 8th 2022. About 1 week down the line on Tuesday, March 15th 2022 first time contributor uedvt359 crafted a tiny commit called "Preserve HttpOnly flag when deleting session cookie" while David Lord composed a commit with the message "relax errorhandler function arg type", a tiny commit claiming to "don't use AnyStr for ResponseValue type" and a tiny commit described as "accurate type for __exit__". Exactly 1 week down the line first time contributor octopoulpe crafted a tiny commit described as "Update errorhandling.rst" on March the 22nd 2022. Around 1 day later David Lord crafted a commit claiming to "don't intercept 307/308 routing redirects", a tiny commit claiming to "better replacement of original form KeyError" and a tiny commit called "better override for json BadRequest error" on March the 23rd 2022. On March 25th 2022 they composed a tiny commit claiming to "update tests for relative redirects". On Tuesday, March 8th 2022 pgjones authored a commit with the message "Allow loading of environment variables into the config". More than 2 weeks down the line on March the 25th 2022 David Lord added a commit with the message "more from_prefixed_env features", a commit claiming to "windows env vars are uppercase" and a tiny commit claiming to "clean up unused function from prefixed_env pr". They wrote a tiny bug removing commit described as "fix typing", a tiny commit called "ignore examples tests", a tiny commit claiming to "release version 2.1.0" and a tiny commit claiming to "start version 2.2.0" on March the 28th 2022. Roughly 2 days down the road on Wednesday, March 30th 2022 David Lord created a tiny commit claiming to "start version 2.1.1", a tiny commit described as "set importlib_metadata minimum version", a tiny commit with the message "release version 2.1.1" and a tiny commit described as "release version 2.1.1". Dependabot[bot] wrote a tiny commit called "Bump

actions/checkout from 2 to 3" whilst David Lord crafted a commit with the message "update requirements" on April the 1st 2022. Pre-commit-ci[bot] added a tiny commit claiming to "[pre-commit.ci] pre-commit autoupdate" on Monday, April 4th 2022. Roundabout 4 days down the road David Lord created a tiny commit described as "pre-commit update branch" when first time contributor LarsMoons composed a tiny commit described as "docs "Returning API Errors as JSON" return correct status code" on April the 8th 2022. At the same time, first time contributor MeViMo added a tiny commit described as "docs pass cli args as kwarg to test runner". David Lord added a tiny commit described as "remove old test" on April 11th 2022. Around 2 days down the road on April 13th 2022 MeViMo wrote a tiny commit described as "Syntax error in testing.rst". More than 1 week later David Lord composed a tiny commit with the message "start version 2.1.2" on April 24th 2022. First time contributor Rafael Zimmer authored a tiny bug removal commit called "fix annotation for json.loads" on April the 12th 2022. About 6 days down the road first time contributor James Warne authored a tiny commit claiming to "evaluate --cert before --key" on April the 18th 2022. About 6 days down the road on Sunday, April 24th 2022 David Lord crafted a commit claiming to "update requirements". First time contributor Bo Bayles created a tiny bug removing commit with the message "Fix copy/paste error in wsgi-standalone.rst" on April the 25th 2022. Roughly 3 days down the line David Lord wrote a tiny commit claiming to "update requirements", a commit with the message "clean up pytest.raises tests" and a tiny commit claiming to "release version 2.1.2" on April the 28th 2022. Roughly 4 days down the road first time contributor DailyDreaming wrote a tiny defect fixing commit claiming to "Fix linting error." while first time contributor Maria Andrea Vignau wrote a tiny commit described as "remove tab directive" on May the 2nd 2022. First time contributor Qingpeng Li created a commit with the message "refactor error checks in register_error_handler" on Friday, April 29th 2022. On Monday, May 2nd 2022 first time contributor Stanislav Bushuev authored a tiny commit called "skip coverage for TYPE_CHECKING". On May 4th 2022 David Lord created a tiny commit described as "remove outdated dotenv docs". Around 5 days down the road first time contributor Luis Palacios created a commit claiming to "remove becomingbig.rst" on May the 9th 2022. Roughly 1 day later David Lord created a tiny commit claiming to "remove references to mailing list" on May the 10th 2022. On May 2nd 2022 first time contributor Tim Hoagland wrote a commit with the message "add

redirect method to app" when first time contributor dzcode added a commit described as "add aborter object to app". More than 1 week down the line on May 12th 2022 David Lord wrote a tiny commit claiming to "update app.redirect docs". On May the 2nd 2022 first time contributor Ivan Sushkov wrote a commit claiming to "add url_for method to app". More than 1 week down the road on Saturday, May 14th 2022 David Lord crafted a commit claiming to "finish moving url_for to app". They created a tiny commit described as "use app.url_for as template global" on May 15th 2022. On May 2nd 2022 first time contributor Chris Hallacy crafted a tiny commit claiming to "always warn on blueprint setupmethod after registration". About 3 weeks down the road David Lord composed a commit described as "apply setupmethod consistently", a commit called "avoid triggering setupmethod late in tests", a commit described as "inline conditional imports for cli behaviors" and a tiny commit called "update requirements" on May 23rd 2022. On May 2nd 2022 first time contributor lecovi authored a tiny commit claiming to "docs: new configuration format for celery". More than 1 week down the line on Thursday, May 12th 2022 first time contributor Nathan Brown composed a tiny commit called "Add link to additional packaging info". More than 1 week later on May the 23rd 2022 David Lord crafted a tiny commit called "start version 2.1.3". On May the 19th 2022 first time contributor Justin Bull created a tiny commit claiming to "use bound typevar to accept Flask and Werkzeug Response classes". On Monday, May 23rd 2022 David Lord added a commit called "access flask types through namespace alias". More than 1 week down the road on Tuesday, May 31st 2022 first time contributor Stanislav Bushuev added a tiny commit described as "Add test config.from_mapping method: ignoring items with non-upper keys". On Wednesday, June 1st 2022 David Lord crafted a tiny commit with the message "update requirements". On May the 2nd 2022 lecovi created a commit with the message "add example code for testing typing tools". More than 4 weeks down the line on June 1st 2022 first time contributor Nick Kocharhook composed a tiny bug fixing commit claiming to "Fix incorrect references to query in testing doc". On Sunday, June 5th 2022 first time contributor Numerlor created a tiny commit claiming to "Remove extra backtick". On June the 3rd 2022 David Lord crafted a commit claiming to "view function is actually type checked". About 2 days later they themselves wrote a commit described as "add errorhandler type check tests" and a tiny commit with the message "add typing tests to mypy config" on June the 5th 2022. First

time contributor Evgeny Prigorodov authored a commit described as "instance_path for namespace packages uses path closest to submodule" on May the 26th 2022. More than 1 week down the line David Lord wrote a tiny fix commit called "fix uninstalled package tests under tox", a tiny commit claiming to "remove outdated instance path test", a commit with the message "deprecate before_first_request", a commit with the message "add View.init_every_request attribute", a huge commit called "rewrite class-based view docs" and a commit with the message "use __init_subclass__ instead of metaclass for MethodView" on Monday, June 6th 2022. On February the 14th 2022 they created a commit claiming to "remove javascript fetch polyfill". More than 16 weeks down the road on June 9th 2022 first time contributor Dan Mirsky crafted a tiny commit called "Update send_from_directory docstring". On Saturday, June 11th 2022 David Lord created a commit with the message "rewrite javascript docs". They crafted a gigantic commit claiming to "rewrite deployment docs" and a tiny commit with the message "remove mod_wsgi-standalone" on June 12th 2022. Roughly 1 day later on June 13th 2022 David Lord authored a tiny fix commit described as "fix formatting". On Wednesday, June 15th 2022 they themselves added a commit claiming to "edit some cli messages" and a commit called "FlaskGroup can be nested". About 2 days down the line on Friday, June 17th 2022 David Lord wrote a commit claiming to "add --app, --env, --debug, and --env-file CLI options", a huge commit called "prefer --app over FLASK_APP in docs" and a commit with the message "with_appcontext lasts for the lifetime of the click context" when Kevin Kirsche authored a tiny commit with the message "session expiration datetime is UTC timezone-aware". On June the 9th 2022 pgjones created a commit described as "view functions can return generators as responses directly" and a commit with the message "add generate_template and generate_template_string functions". Roughly 2 weeks down the road on June the 23rd 2022 first time contributor hankhank10 crafted a tiny commit called "Update javascript.rst". Roughly 3 days later on June 26th 2022 they themselves crafted a tiny commit with the message "show separate HTTP method route decorators in quickstart". Exactly 2 days down the road on June the 28th 2022 David Lord wrote a huge commit claiming to "rewrite extension development docs". About 1 day down the line they wrote a tiny commit called "re-add flag to skip unguarded app.run from CLI" on June the 29th 2022. On July 1st 2022 dependabot[bot] wrote a tiny commit claiming to "Bump actions/setup-python from 3 to 4". On June the 29th

2022 David Lord wrote a commit claiming to "new debug/test preserve context implementation". Roundabout 2 days later on July 1st 2022 they themselves crafted a tiny commit with the message "remove deprecated RequestContext.g" and a commit with the message "remove deprecated send_file argument names". About 1 day down the line David Lord crafted a commit claiming to "relax routes cli match order" whilst Grey Li added a tiny commit described as "Support returning list as JSON" on July 2nd 2022. At the same time, the very same one authored a commit with the message "update docs about json" and a tiny commit claiming to "update typing tests for json". On Monday, July 4th 2022 David Lord composed a tiny commit described as "explain workflow" whilst pre-commit-ci[bot] crafted a tiny commit described as "[pre-commit.ci] pre-commit autoupdate". Roughly 2 days down the road first time contributor Ties Jan Hefting authored a tiny commit described as "Document serialization of Decimal in JSONEncoder" while pgjones added a commit claiming to "Improve decorator typing (#4676)" on July 6th 2022. Roughly 2 days later on July the 8th 2022 pgjones crafted a commit described as "Add further typing tests" while first time contributor Earl C. Ruby III created a tiny commit called "New URL for the Quart project". At the same time, David Lord added a tiny commit with the message "require Werkzeug 2.2". The very same one wrote a commit claiming to "access names as proxies directly" on June 27th 2022. Roundabout 1 week down the road David Lord crafted a commit claiming to "contexts no longer use LocalStack" on July 4th 2022. On July 5th 2022 they wrote a commit described as "remove uses of LocalStack". Exactly 3 days later on July the 8th 2022 David Lord composed a commit called "update docs about contexts" and a tiny bug removing commit with the message "fix pr link". Pgjones added a commit with the message "Change _cv_req -> _cv_request" on July 9th 2022. Pedro Torcatt composed a tiny commit described as "Change Roll back by Rever" on July the 10th 2022. Exactly 1 day down the road on July the 11th 2022 they added a tiny bug fixing commit with the message "Fix docs/CHANGES.rst typo". On July the 13th 2022 David Lord authored a huge commit claiming to "add json provider interface" and a commit with the message "update requirements" whilst Yourun-Proger composed a tiny commit described as "error for render_template outside app context". Meanwhile, the very same one crafted a tiny commit called "release version 2.1.3" and a tiny bug fixing commit claiming to "fix issue link". First time contributor Matthijs van der Vleuten wrote a tiny commit described as "allow TypedDict as a response value" on Thursday,

July 14th 2022. More than 1 week down the road on July the 24th 2022 David Lord crafted a tiny commit described as "require Werkzeug 2.2", a tiny commit claiming to "update blinker intersphinx link" and a commit claiming to "remove reference links from changelog". On July 25th 2022 the very same one added a tiny bug fixing commit described as "fix has_app_context and has_request_context". Exactly 1 week down the line on August the 1st 2022 David Lord created a commit called "refactor lazy loading", a tiny commit described as "remove __traceback_hide__", a commit described as "update pycharm instructions", a commit claiming to "deprecate FLASK_ENV" and a commit described as "remove FLASK_ENV from docs" whilst pre-commit-ci[bot] crafted a tiny commit claiming to "[pre-commit.ci] pre-commit autoupdate". At the same time, they themselves wrote a commit with the message "deprecate config attributes". On Tuesday, July 26th 2022 David Lord added a tiny commit with the message "release version 2.2.0". Exactly 6 days later on August the 1st 2022 the very same one authored a tiny commit called "start version 2.3.0" and a tiny commit called "pre-commit updates latest release branch". On Wednesday, August 3rd 2022 David Lord created a tiny commit claiming to "start version 2.2.1", a commit claiming to "show deprecation warning on json_encoder/decoder access", a tiny commit called "update requirements" and a tiny commit called "release version 2.2.1". They themselves crafted a tiny commit claiming to "start version 2.2.2" and a tiny fix commit with the message "fix default value of app.env" on August the 4th 2022. On August the 5th 2022 David Lord created a huge commit called "refactor or remove old docs (#4748)" and a tiny commit described as "remove env from shell banner". They composed a tiny bug removing commit called "fix issue number", a tiny commit with the message "require werkzeug >= 2.2.2" and a tiny commit called "release version 2.2.2" on Monday, August 8th 2022. Roughly 1 day later first time contributor Philipp Rohde added a tiny bug fixing commit described as "fix typo" when first time contributor tautv created a tiny commit claiming to "Update javascript.rst" on August 9th 2022. Roughly 3 days down the line on August the 12th 2022 first time contributor Oğuzhan Çelikarslan added a tiny bug removal commit claiming to "Fix typo". David Lord added a tiny bug removal commit described as "fix typo", a tiny fix commit called "fix view docs" and a tiny fix commit claiming to "fix typo" on August the 15th 2022. On August the 17th 2022 first time contributor Dillon Barnes created a tiny commit claiming to "Correct `waitress-serve` command". First time contributor Thomas Rhines

authored a tiny defect fixing commit with the message "Fix misrendered docstring" on August 14th 2022. More than 1 week down the road on Monday, August 22nd 2022 David Lord composed a tiny commit called "start version 2.2.3" when Kevin Kirsche authored a tiny fix commit claiming to "fix: remove obsolete `zip_safe` (#4783)". About 5 days down the line the very same one created a tiny commit claiming to "remove heroku link" on Saturday, August 27th 2022. On Friday, September 2nd 2022 first time contributor Isaac Woodruff authored a tiny commit described as "Add missing .dev to version (#4801)". Around 5 days down the line pre-commit-ci[bot] wrote a tiny commit claiming to "[pre-commit.ci] pre-commit autoupdate (#4806)" on September 7th 2022. David Lord crafted a commit called "update requirements" on Sunday, September 11th 2022. First time contributor waffle-stomper added a tiny bug removing commit described as "Fix missing assignment in MethodView example (#4815)" when first time contributor Maksim Salau wrote a tiny bug fixing commit described as "Fix argument in `register_api()` in docs/view.rst (#4818)" on September the 14th 2022. Around 4 days down the line on September 18th 2022 first time contributor Yang Yang composed a tiny bug removing commit called "Fix docstring of test_request_context (#4821)". More than 2 weeks down the line on October 3rd 2022 pre-commit-ci[bot] crafted a tiny commit with the message "[pre-commit.ci] pre-commit autoupdate". Exactly 1 day later first time contributor TehBrian added a tiny bug removing commit claiming to "fix typo in quickstart" on October 4th 2022. More than 1 week down the line first time contributor Mat Steininger created a commit called "Fixed inconsistent double spacing in docs/api.rst" on Saturday, October 15th 2022. More than 2 weeks down the line first time contributor Jonah Lawrence crafted a tiny commit with the message "Add .svg to select_jinja_autoescape (#4840)" on October 30th 2022. On November the 1st 2022 pre-commit-ci[bot] wrote a tiny commit described as "[pre-commit.ci] pre-commit autoupdate". They themselves crafted a tiny commit described as "[pre-commit.ci] pre-commit autoupdate (#4862)" on November the 7th 2022.

The end (for now)

On November 25th 2022 our old friend David Lord authored a commit claiming to "update requirements" and for now the adventure concludes.

Inhaltsverzeichnis