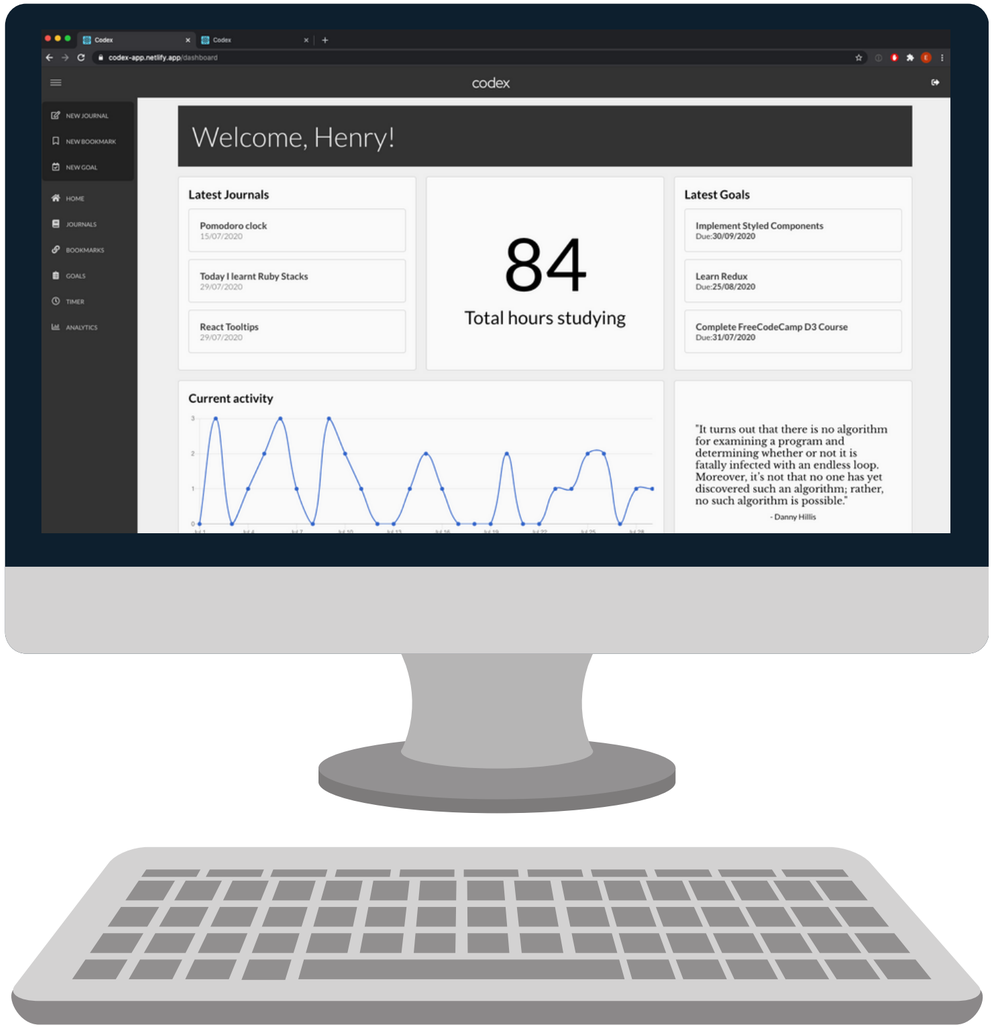
codex

The learning & productivity app for devs

features

- capture journal entries to track daily learnings, challenges, wins and handy hints including ability to store code snippets
- track goals and due date milestones
- record time spent coding in the journey towards mastery with 10,000 hours of deliberate practise
- view learning & productivity statistics



problem

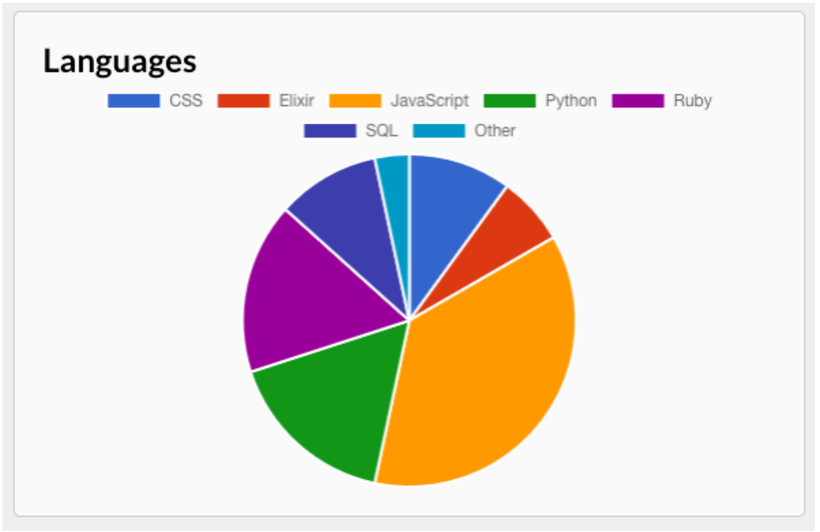
Disorganised notes.. can't find that useful code snippet or which article you read on Medium which explain the complex topic?

Missing deadlines and feeling overwhelmed by goals and to-do's?

Sitting down to write a performance review, CV or Linkedin post but can't actually remember which great new concepts you learned last week or what you achieved 3 months ago?

Recently set a goal to code for 10,000 hours or journal for #100daysofcode but needing the inspiration and tools to actually get you there

functionality



- user authentication & authorisation
- dashboard with daily programming quote
- journalling with code snippets
- bookmarking with tag functionality
- sorting entries
- goal tracking & record achievements
- analytics
- timer in background to track time spent coding

tech stack

Frameworks

React
Ruby on Rails

Libraries

Draftjs
Chartjs & ChartKick
MomentDuration
Cypress
Prettier
Faker
React-Tippy

Deployment

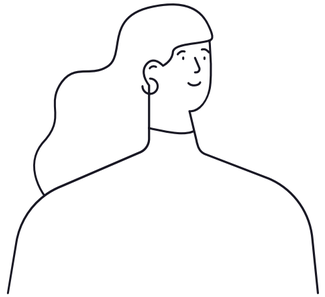
Netlify
Heroku

Languages

JavaScript(ES6)
HTML5
CSS / SASS

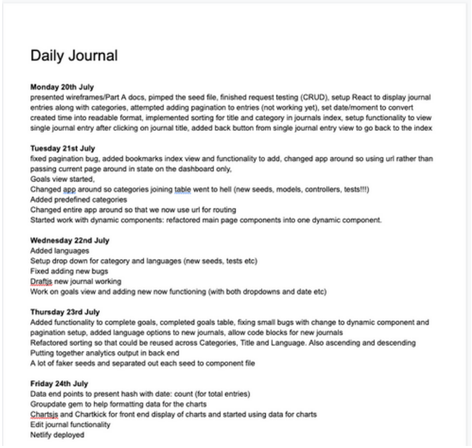
Gems

Knock
Will Paginate
GroupDate
Faker
RuboCop
RSPEC
Shouldamatchers
FactoryBot
SimpleCov



project management

- Daily stand up & task review (Discord). Update Trello board, review backlog and allocate tasks to each team member and set goals for the day
- Pair programming throughout the day for challenging or interconnected components between back / front end
- Understanding strengths of each team member and playing towards those
- Keeping daily journal



Daily Journal

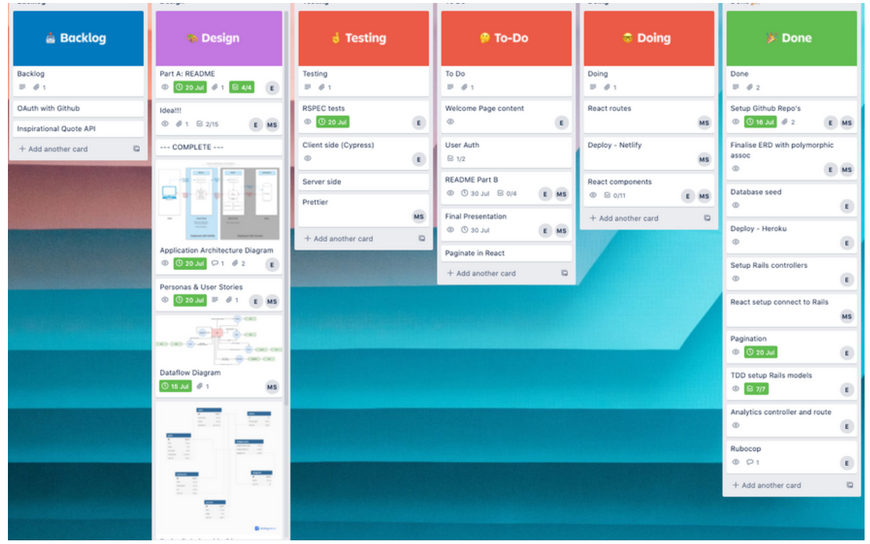
Monday 20th July
presented wireframes/Part A docs, pimped the seed file, finished request testing (CRUD), setup React to display journal entries along with categories, attempted adding pagination to entries (not working yet), set date/moment to convert created time into readable format, implemented sorting for title and category in journals index, setup functionality to view single journal entry after clicking on journal title, added back button from single journal entry view to go back to the index

Tuesday 21st July
fixed pagination bug, added bookmarks index view and functionality to add, changed app around so using url rather than passing current page around in state on the dashboard only,
Goals view started,
Changed app around so categories joining table went to hell (new seeds, models, controllers, tests!!!)
Added predefined categories
Changed entire app around so that we now use url for routing
Started work with dynamic components: refactored main page components into one dynamic component.

Wednesday 22nd July
Added languages
Setup drop down for category and languages (new seeds, tests etc)
Fixed adding new bugs
Drafts new journal working
Work on goals view and adding new now functioning (with both dropdowns and date etc)

Thursday 23rd July
Added functionality to complete goals, completed goals table, fixing small bugs with change to dynamic component and pagination setup, added language options to new journals, allow code blocks for new journals
Refactored sorting so that could be reused across Categories, Title and Language. Also ascending and descending
Putting together analytics output in back end
A lot of faker seeds and separated out each seed to component file

Friday 24th July
Data end points to present hash with date: count (for total entries)
Groupdate gem to help formatting data for the charts
Chartsis and Chartkick for front end display of charts and started using data for charts
Edit journal functionality
Netlify deployed



wins

Code refactor of pagination logic

Timer functioning continuously in background of the application

Extensive automated & manual testing, identified bugs & less than ideal UX

Dynamic Components

Collapsible nav bar

Code coverage %

Strong source control habits

Tooltips upon hover

Charting libraries

challenges & learnings

Extensive & thorough planning / design = less refactoring later on

Rubocop ideal if implemented earlier in project

Implementing CSS components earlier in project

Mobile responsiveness

Using github workflow actions for first time

Importance of thorough & varied seed data to ensure edge cases are considered

Pagination of entries back end vs front end

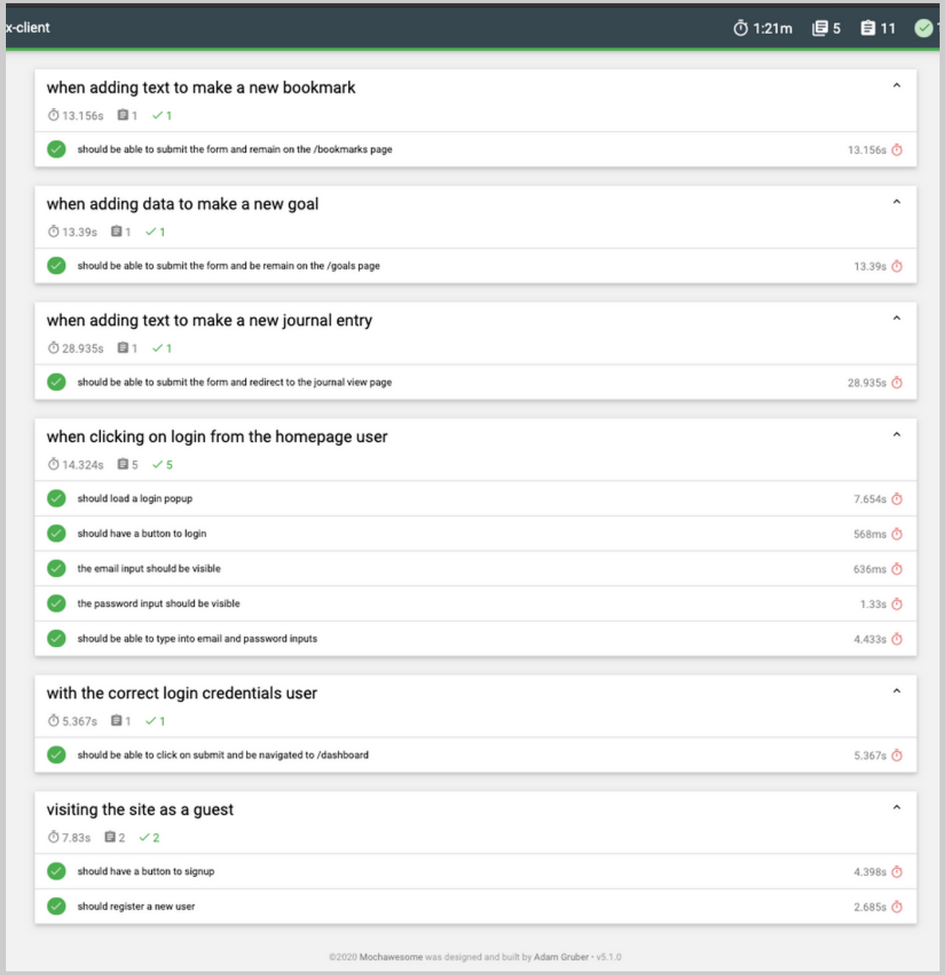
The final 10%

Code coverage a great tool to use earlier in development

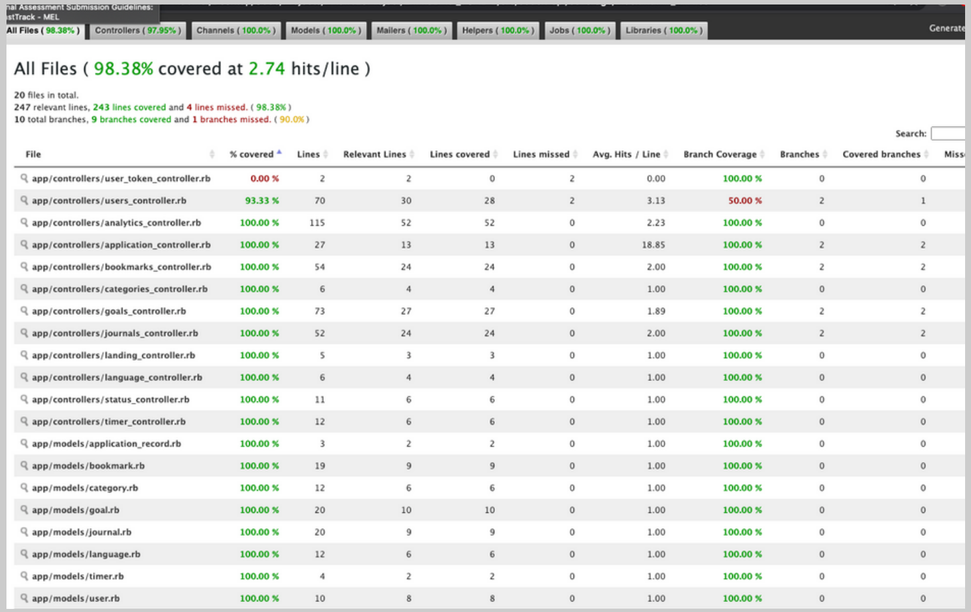
ERD design with joining table for categories

Sticking to MVP

testing



Feature ID	Feature being tested	Test case summary	Test Data - Interacting With Netlify	Expected Result	Actual Result	Status	Comments
9	Delete Journal Entry	When user is logged in and has journal entries in database	Page: https://codex-app.netlify.app/dashboard/journals/73 Logged in as valid user (#1)	When clicking on the bin icon on the single journal entry page. The journal is deleted from the database and the page is redirected to the journals list view	After clicking on the bin icon on the single journal entry page. The journal was deleted from the database and the page was redirected to the journals list view	PASS	
10	Sort journal entries by title, date created and category (asc & desc)	User is logged in as valid user # 1	On https://codex-app.netlify.app/dashboard/journals Click on "Title", "Date" and/or "Category" buttons	Clicking on buttons sorted the list of journals in alphabetical or chronological order. Clicking again on the button re-sorts the list of journals in reverse alphabetical or chronological order	Clicked on buttons which sorted the list of journals in alphabetical / chronological order. Clicked again on the button which re-sorted the list of journals in reverse alphabetical / chronological order	PASS	
11	Create Bookmark Entry	User is logged in and provides correct bookmark parameters	Page: https://codex-app.netlify.app/dashboard/bookmarks Logged in as valid user (#1) Typed the below into fields: "Title": Google "URL": www.google.com "Description:" "Search engine" Select category: "functional" Select language: "JavaScript" Click "+"	After clicking +, the fields to create new bookmark would be cleared again and placeholder text visible. The bookmark would be added to the database for that user and displayed immediately at the top of the display bookmarks table	After clicking +, the fields to create new bookmark were cleared and placeholder text visible. The bookmark was added to the database for that user and displayed immediately at the top of the display bookmarks table	PASS	
11	Create Bookmark Entry	User is logged in and provides **INVALID** bookmark parameters	Page: https://codex-app.netlify.app/dashboard/bookmarks Logged in as valid user (#1) Typed the below into fields: "Title": Google URL left blank ** "Description:" "Search engine" Select category: "functional" Select language: "JavaScript" Click "+"	After clicking +, a message should pop up to notify that the URL field must be completed. The page would not be redirected and the entered data would remain in those fields so user can complete the form correctly	After clicking +, no message popped up to notify that the URL field must be completed. The entered data was deleted from the fields	FAIL	
12	View Bookmarks List	User is logged in as user 1	User 1 logged in. Click on Bookmarks button from https://codex-app.netlify.app/dashboard	Be redirected to bookmarks page and see a list of all user 1's bookmarks only. Paginated to 5 per page. Corresponding language and category to be displayed alongside the title and description. Title to also be a url link and if clicked opens new window which takes user to the bookmark url	Redirected to bookmarks page and page is loaded with a list of all user 1's bookmarks only. Paginated to 5 per page. Corresponding language and category to be displayed alongside the title and description. Clicked on title, new window opened which redirect to that bookmark url address	PASS	Shading of each bookmark upon hover is a nice feature which helps with readability
13	Edit Bookmark	When user is logged in and has bookmark entries in database	Page: https://codex-app.netlify.app/dashboard/bookmarks Logged in as valid user (#1)	After clicking on the "edit" icon, pop up appears which displays the existing data of the bookmark but allows me to edit/update/delete the contents Upon clicking update, changes would be saved into the database over the existing record and pop up disappears	No edit icon is visible	FAIL	Ability to edit is not yet implemented. There is no button or functionality
14	Delete Bookmark	User is logged in as user 1	Delete bookmark entry Autem suit facilis nesciunt	Hover on bookmark. Red rubbish bin icon to appear. Click bin icon. Bookmark to be removed from the list	Bookmark was removed from list. Bookmark display grid was updated immediately to show this was removed	PASS	No pop up message appeared to confirm delete was successful, maybe this could be added. Michael overruled.. popups are from the 90's apparently :)



File	% covered	Lines	Relevant Lines	Lines covered	Lines missed	Avg. Hits / Line	Branch Coverage	Branches	Covered branches
app/controllers/user_token_controller.rb	0.00 %	2	2	0	2	0.00	100.00 %	0	0
app/controllers/users_controller.rb	93.33 %	70	30	28	2	3.13	50.00 %	2	1
app/controllers/analytics_controller.rb	100.00 %	115	52	52	0	2.23	100.00 %	0	0
app/controllers/application_controller.rb	100.00 %	27	13	13	0	18.85	100.00 %	2	2
app/controllers/bookmarks_controller.rb	100.00 %	54	24	24	0	2.00	100.00 %	2	2
app/controllers/categories_controller.rb	100.00 %	6	4	4	0	1.00	100.00 %	0	0
app/controllers/goals_controller.rb	100.00 %	73	27	27	0	1.89	100.00 %	2	2
app/controllers/journals_controller.rb	100.00 %	52	24	24	0	2.00	100.00 %	2	2
app/controllers/landing_controller.rb	100.00 %	5	3	3	0	1.00	100.00 %	0	0
app/controllers/language_controller.rb	100.00 %	6	4	4	0	1.00	100.00 %	0	0
app/controllers/status_controller.rb	100.00 %	11	6	6	0	1.00	100.00 %	0	0
app/controllers/timer_controller.rb	100.00 %	12	6	6	0	1.00	100.00 %	0	0
app/models/application_record.rb	100.00 %	3	2	2	0	1.00	100.00 %	0	0
app/models/bookmark.rb	100.00 %	19	9	9	0	1.00	100.00 %	0	0
app/models/category.rb	100.00 %	12	6	6	0	1.00	100.00 %	0	0
app/models/goal.rb	100.00 %	20	10	10	0	1.00	100.00 %	0	0
app/models/journal.rb	100.00 %	20	9	9	0	1.00	100.00 %	0	0
app/models/language.rb	100.00 %	12	6	6	0	1.00	100.00 %	0	0
app/models/timer.rb	100.00 %	4	2	2	0	1.00	100.00 %	0	0
app/models/user.rb	100.00 %	10	8	8	0	1.00	100.00 %	0	0

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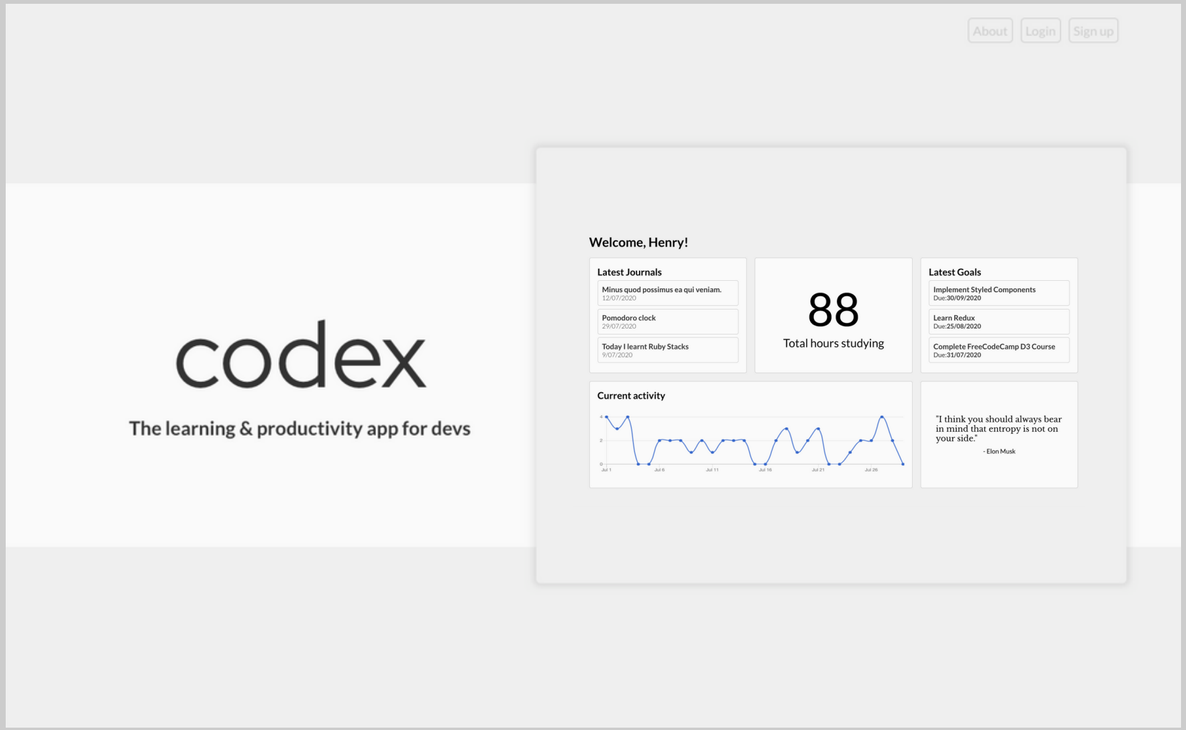
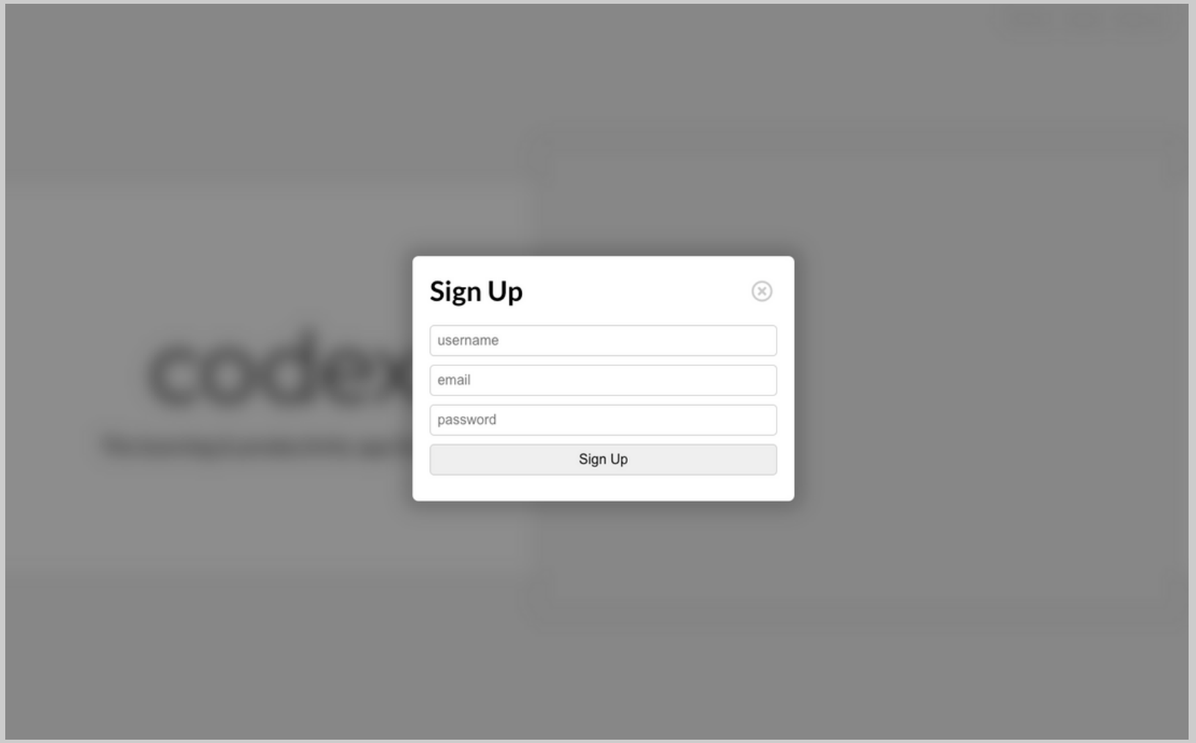
https://codex-app.netlify.app/

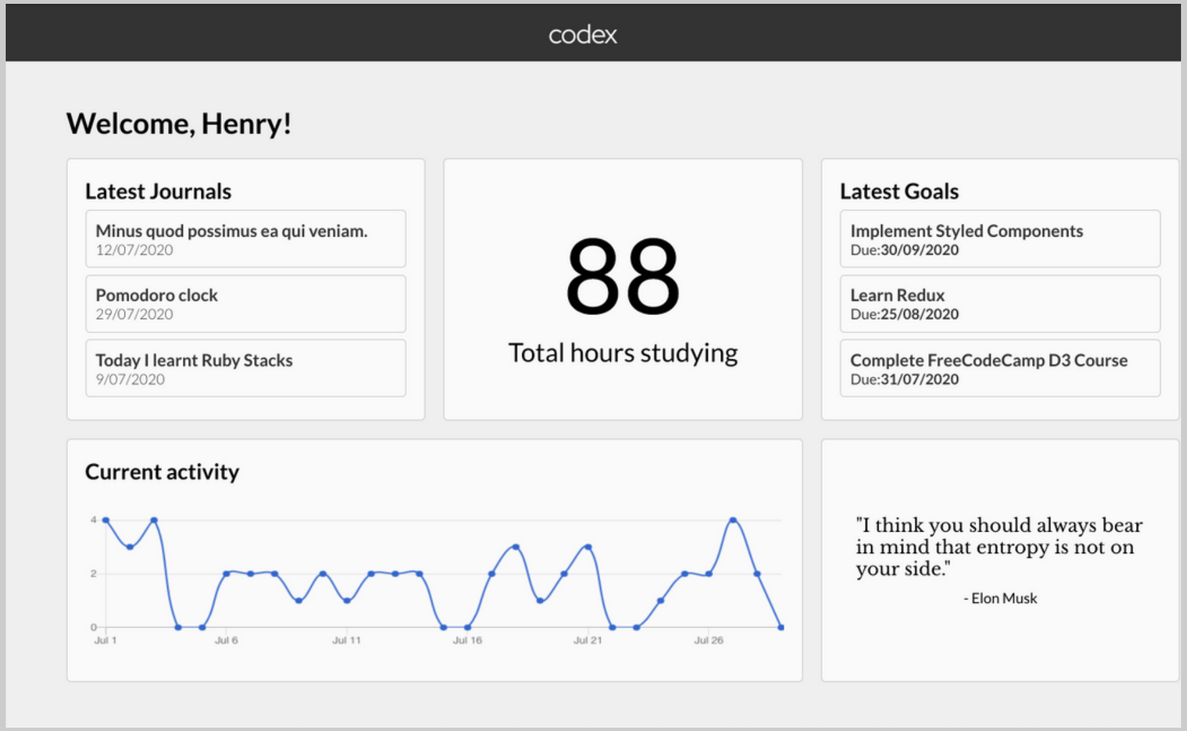
screenshots



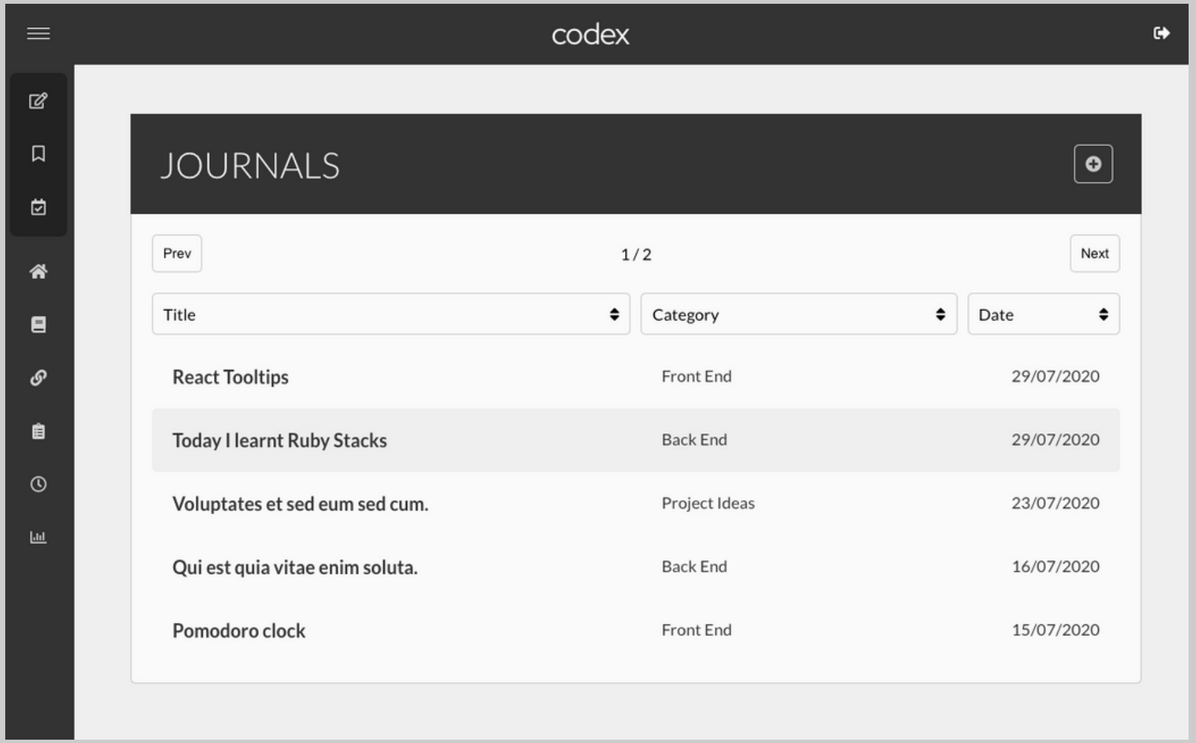
Landing Page



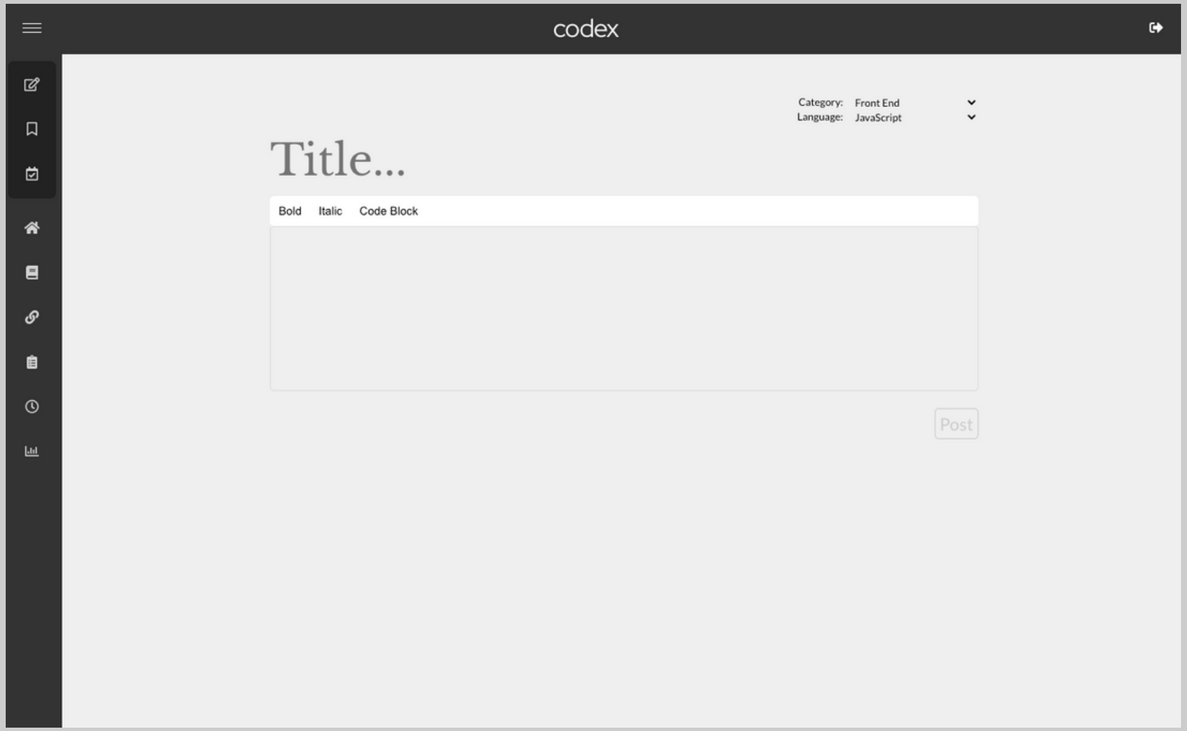
Sign Up



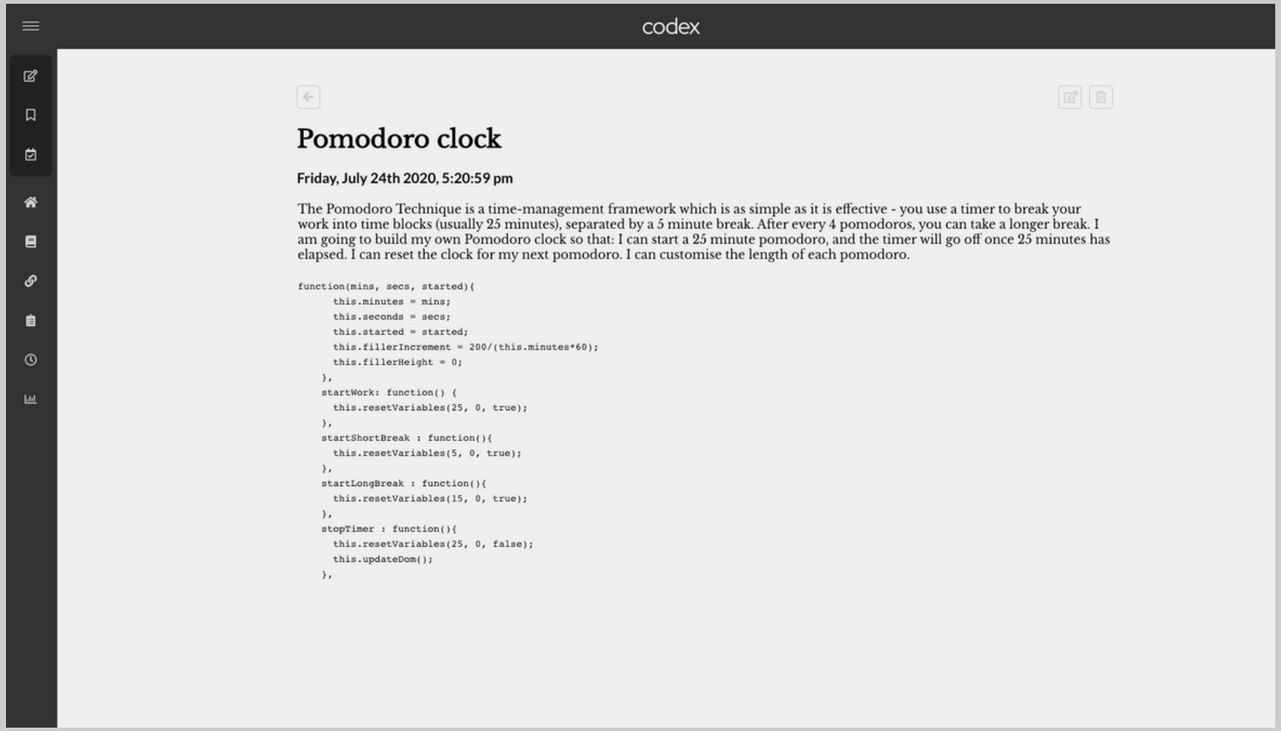
Dashboard



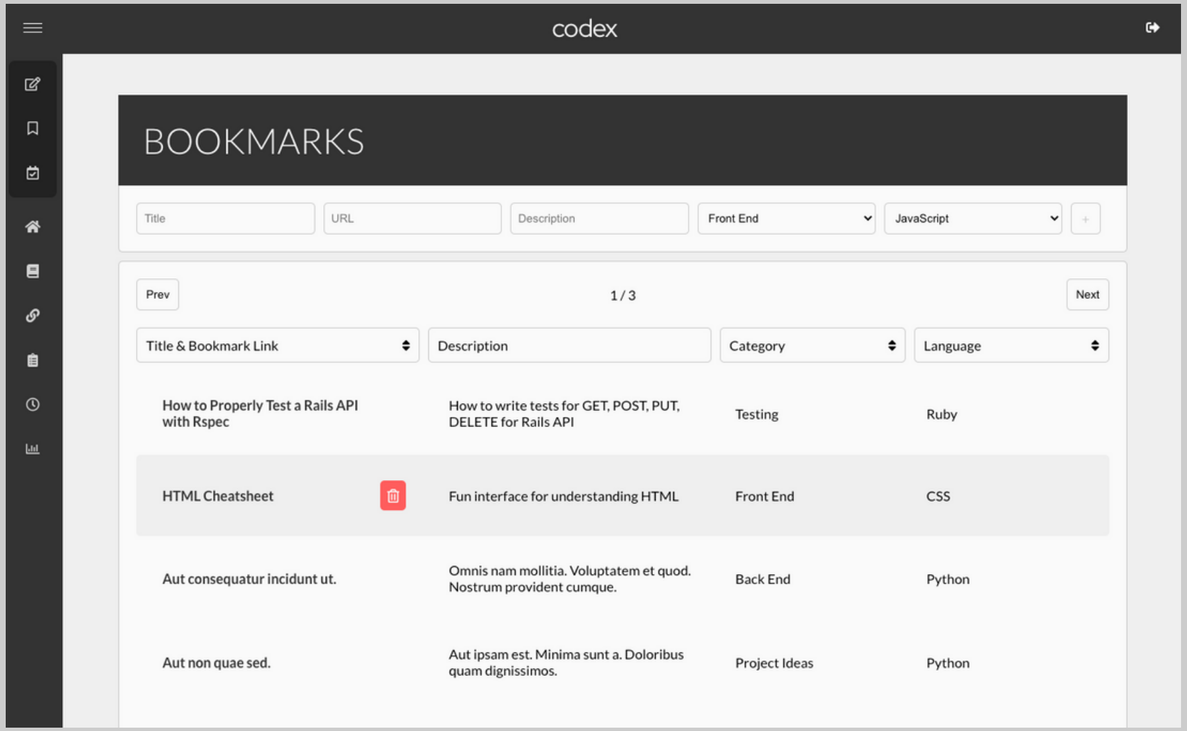
View Journals



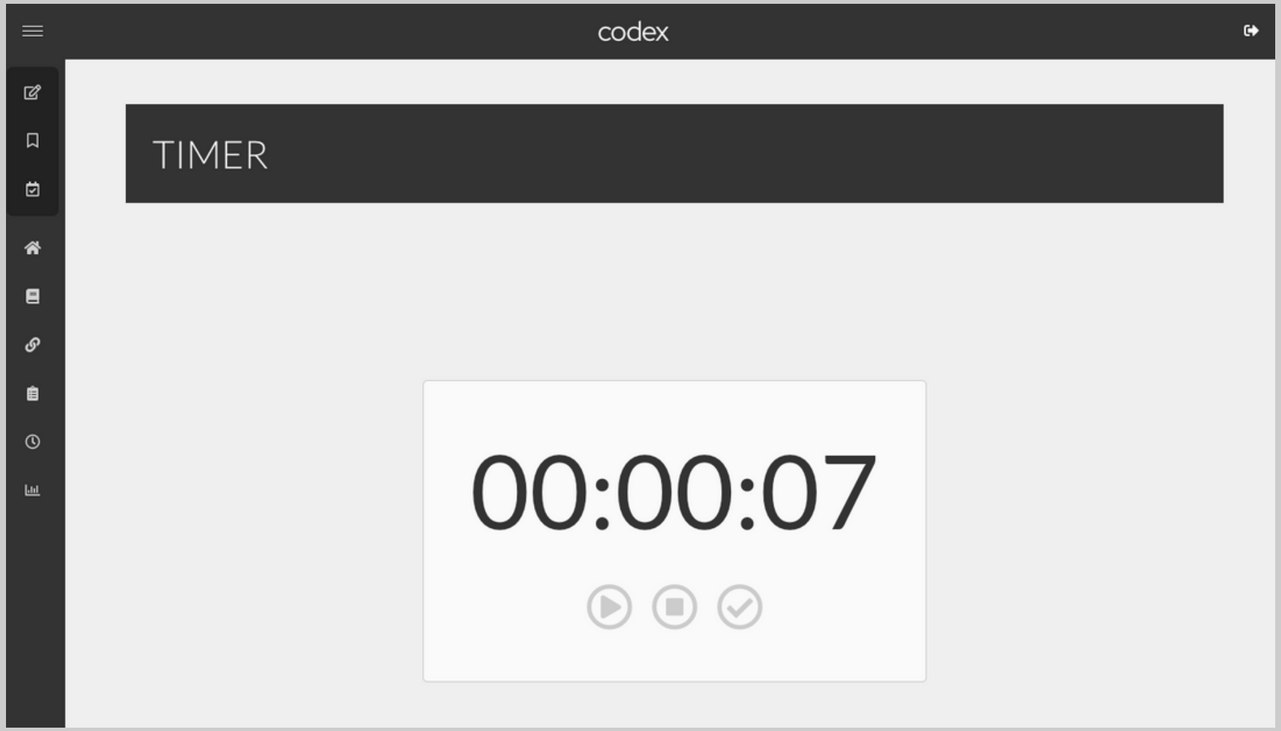
Add New Journal



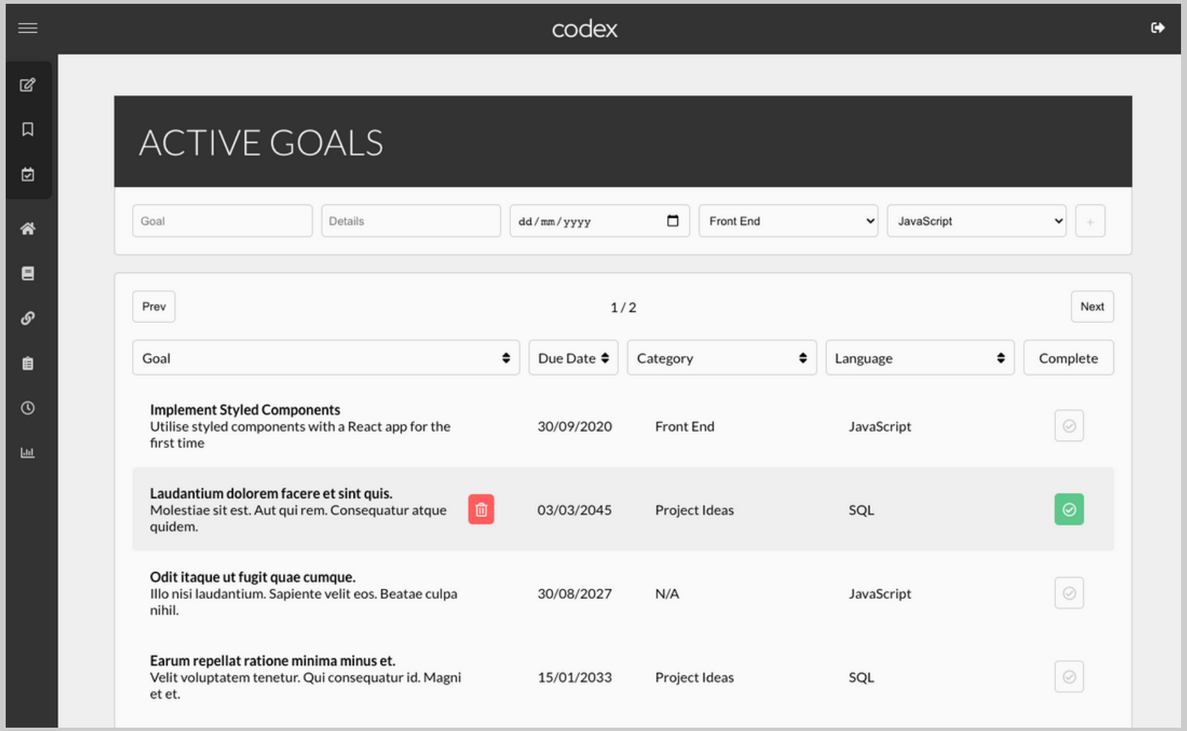
View Single Journal Entry



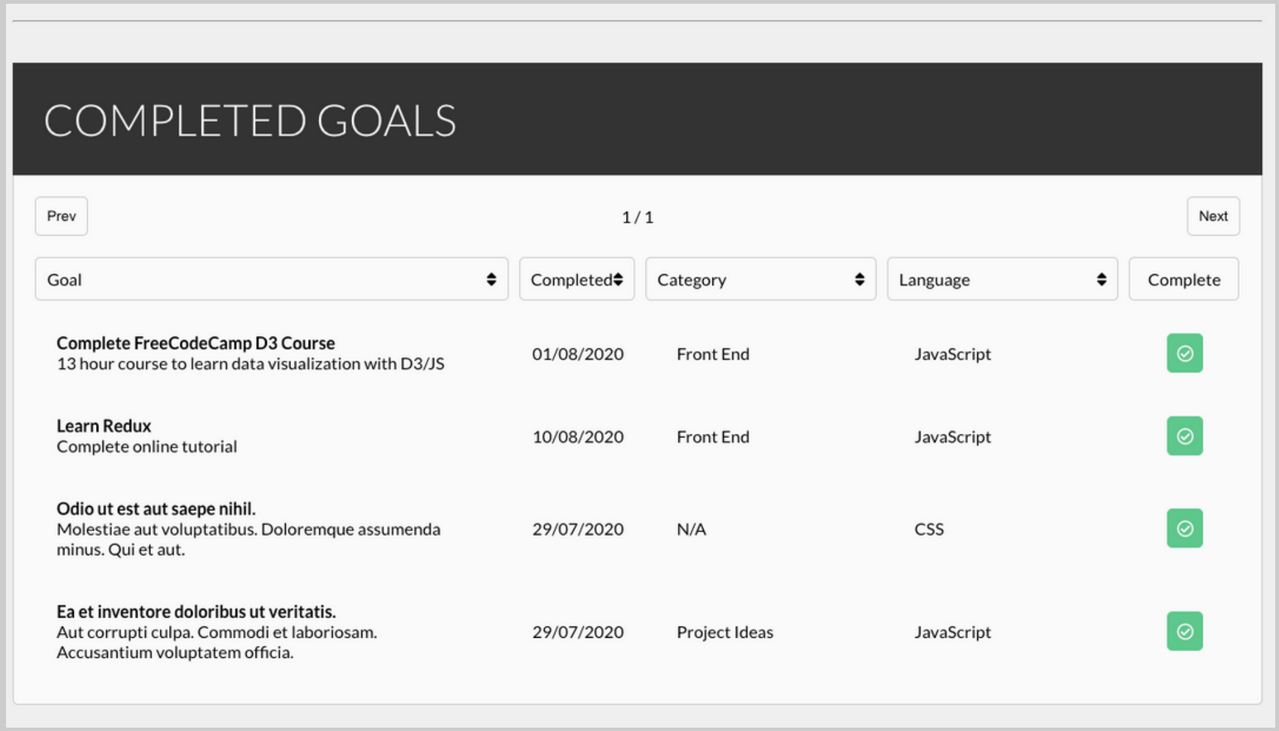
Bookmarks



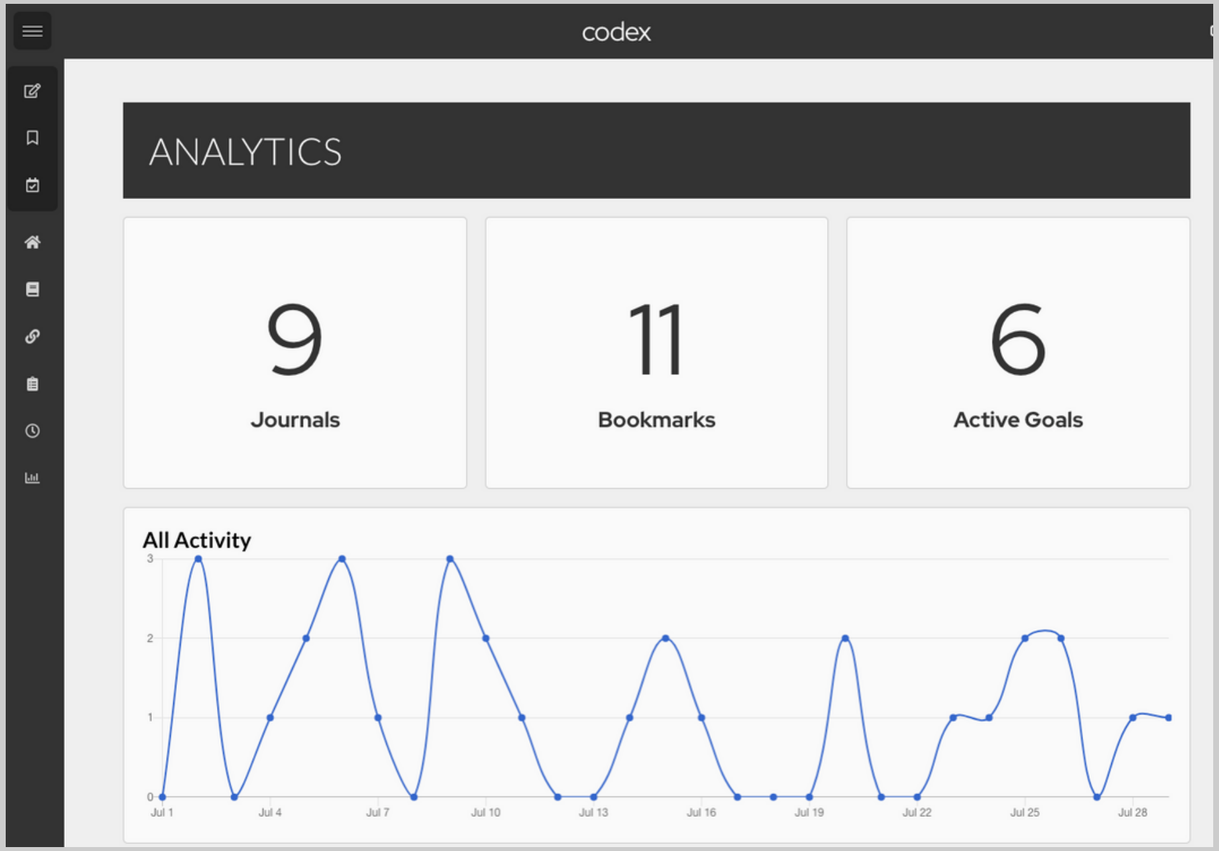
Timer



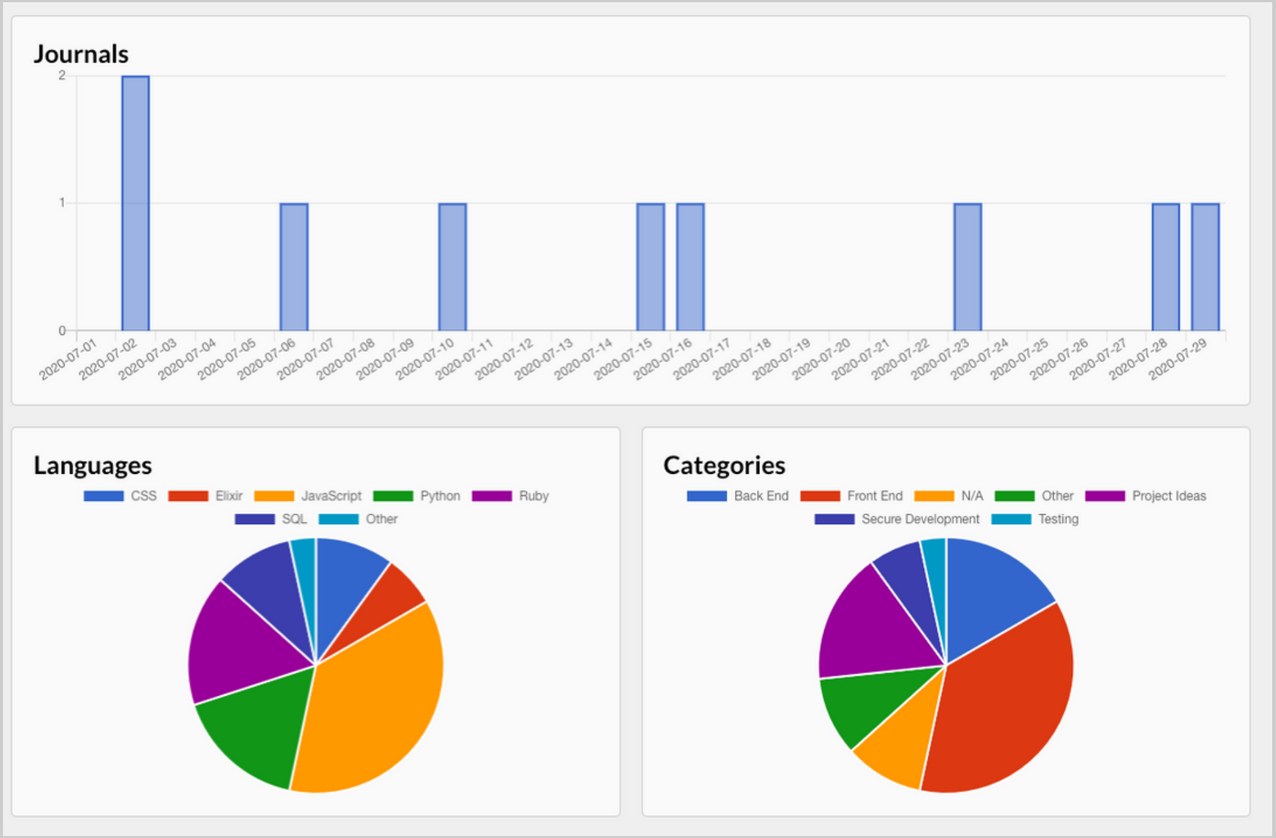
Active Goals



Completed Goals



Analytics



Analytics Scrolled