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|--------------------------------------|---|
| Project Name | ACIDIC - Autonomous Continuous Inner-source Development and Integrity Checker |
| Production system (if any) | Docker: https://hub.docker.com/u/amoslinter |
| Test system (if any) | Local/Docker: https://hub.docker.com/u/amoslinter |
| GitHub repository | https://github.com/amosproj/amos-ss2021-is-project-linter |
| GitHub kanban board (project) | https://github.com/amosproj/amos-ss2021-is-project-linter/projects/1 |
| Team T-shirt (white) | Yes |
| Team T-shirt (black) | No |
| Additional materials | T-Shirt Link: https://www.shirtinator.de/loadBasket/GZ7K_ZV95U2 (already ordered) |

| Last Name | First Name | GitHub User Name | Email Address |
|-------------|-----------------------------|------------------|---|
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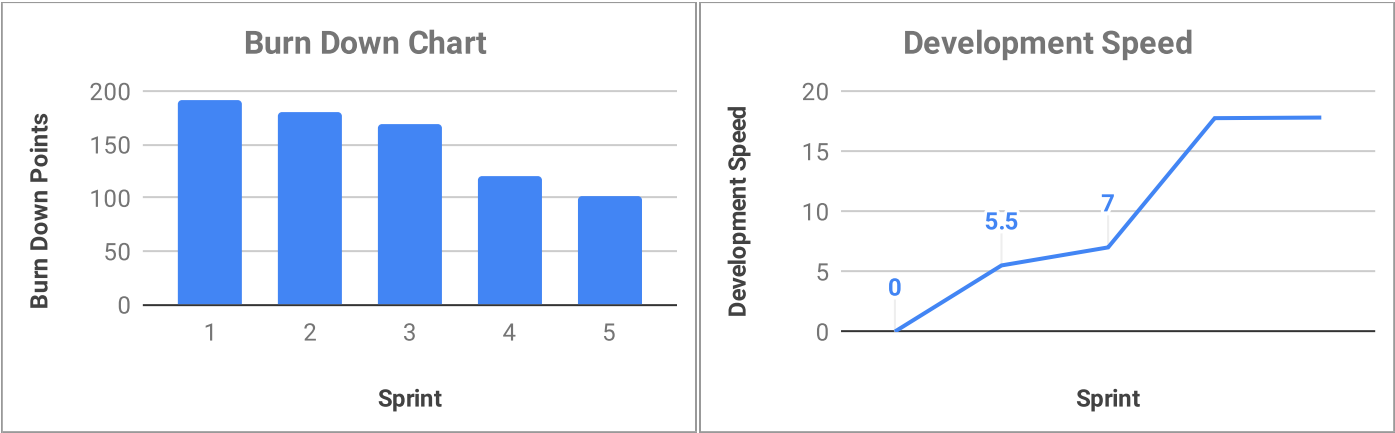
| | |
|--------------------------------|--|
| Goals | Fulfilling all business requirements with few or no defects with final user acceptance criteria |
| Meeting norms | Regular frequent meetings. Mandatory for everyone to join in time. Wednesday 12:30 - 01:45 PM (Mandatory meeting). |
| Working norms | Every member has a defined responsibility. Every member can collaborate/help others as well. |
| Coordination norms | Product owners are Scrum masters initially. Software developers also act as scrum masters on rotational basis. Scrum master moderates the team meetings/allocates assignments/lead team meetings |
| Communication norms | Discord. Group communication. Team members are expected to respond promptly. Acknowledge messages with in one or two hours. |
| Consideration norms | Side conversations are allowed as required. Decisions are finalized based on team's overall agreement (via. group voting etc) |
| Cont. improvement norms | Track the progress of tasks in scrum board. Team members are expected to update the status promptly with comments. Contructive feedback on each others coding style to maintain uniformity in the code. |
| Rewards | Completion of big tasks as per acceptance criteria. |
| Sanctions | Team member needs to do 30 push ups as a punishment on camera |
| Signatures | Lukas Böhm, Christian Neuerer, Christoph Wohlwend, Nicolas Krieg, Amir Asani, Jonas Pfister, Patrick Groth, Veera Karri |

| # | Meeting Day | Comment | Coach | Product Owner | Software Developer | Scrum Master | Release Manager |
|----|-------------|--------------------|-------|---------------------------|--------------------|--------------|-----------------|
| 1 | 2021-04-14 | Project Initiation | Yes | Patrick Groth/Veera Karri | Everyone else | Veera Karri | Lukas Böhm |
| 2 | 2021-04-21 | | Yes | Patrick Groth/Veera Karri | Everyone else | Veera Karri | Lukas Böhm |
| 3 | 2021-04-28 | | | Patrick Groth/Veera Karri | Everyone else | Veera Karri | Lukas Böhm |
| 4 | 2021-05-05 | | Yes | Patrick Groth/Veera Karri | Everyone else | Veera Karri | Lukas Böhm |
| 5 | 2021-05-12 | | | Patrick Groth/Veera Karri | Everyone else | Veera Karri | Lukas Böhm |
| 6 | 2021-05-19 | | Yes | Patrick Groth/Veera Karri | Everyone else | Veera Karri | Lukas Böhm |
| 7 | 2021-05-26 | Mid-term due | Yes | Patrick Groth/Veera Karri | Everyone else | Veera Karri | Lukas Böhm |
| 8 | 2021-06-02 | | | Patrick Groth/Veera Karri | Everyone else | Veera Karri | Lukas Böhm |
| 9 | 2021-06-09 | | | Patrick Groth/Veera Karri | Everyone else | Veera Karri | Lukas Böhm |
| 10 | 2021-06-16 | | Yes | Patrick Groth/Veera Karri | Everyone else | Veera Karri | Jonas Pfister |
| 11 | 2021-06-23 | | | Patrick Groth/Veera Karri | Everyone else | Veera Karri | Jonas Pfister |
| 12 | 2021-06-30 | | | Patrick Groth/Veera Karri | Everyone else | Veera Karri | Lukas Böhm |
| 13 | 2021-07-07 | | Yes | Patrick Groth/Veera Karri | Everyone else | Veera Karri | Lukas Böhm |
| 14 | 2021-07-14 | Demo day! | | Patrick Groth/Veera Karri | Everyone else | | |
| 15 | 2021-07-21 | Retrospective | | Patrick Groth/Veera Karri | Everyone else | | |
| | | | | | | | |
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| # | Theme | Feature Name | Goal | Est. Size (Feature) | Est. Size (Sprint) | Real Size (Feature) | Real Size (Sprint) | Burn-Down |
|----|-----------|---|---|---------------------|--------------------|---------------------|--------------------|-----------|
| 3 | Backend | Query a gitlab repository | To get details of a repository and display in the dashboard | 3 | 3 | 5 | 5 | |
| 5 | Back end | REST API | To query the linting state of the projects | 5 | 5 | 3 | 3 | |
| 6 | Front End | Feature to enter link to repository in the front end screen | In order for backend to check the repository entered in front end screen | 3 | 3 | 3 | 3 | |
| 7 | Backend | Crawler | To check the repository from the front end for criteria being defined later | 5 | 5 | 1 | 1 | |
| 11 | Backend | JPA Objects | JPA objects to store linting results in a persistent data base | 3 | 3 | 3 | 3 | |
| 12 | Front end | Visibility Check | To check in the database if the visibility of the project is public and display the result | 0 | 0 | 0 | 0 | |
| 13 | Backend | Visibility Check | To check if the visibility of a project given by the frontend is set to "public" and store the result in the database | 0 | 0 | 0 | 0 | |
| 14 | Front end | Merge Request Activation Check | "Merge Requests" in settings should be activated/enabled "Everyone with access" should be allowed to use "Merge Requests" | 3 | 3 | 3 | 3 | |
| 15 | Backend | Merge Request Activation Check | "Merge Requests" in settings should be activated/enabled. "Everyone with access" should be allowed to use "Merge Requests" | 3 | 3 | 2 | 2 | |
| 16 | Front end | Forking Activation Check | "Forking" in settings should be activated/enabled "Everyone with access" should be allowed to use "Forking" | 0 | 0 | 0 | 0 | |
| 17 | Backend | Forking activation check | "Forking" in settings should be activated/enabled "Everyone with access" should be allowed to use "Forking" | 2 | 2 | 2 | 2 | |
| 18 | Front end | Issues Activation Check | "Issues" in settings should be activated/enabled "Everyone with access" should be allowed to use "Issues" | 0 | 0 | 0 | 0 | |
| 19 | Backend | Issues Activation Check | "Issues" in settings should be activated/enabled "Everyone with access" should be allowed to use "Issues" | 2 | 2 | 1 | 1 | |
| 20 | Front end | Yaml / XML configuration file | To edit a yaml/xml file to edit what checks should be displayed to the user. | 2 | 2 | 2 | 2 | |
| 21 | Backend | Mandatory Files Check | To check whether the files (README.md, CONTRIBUTING.md, MAINTAINERS.md) are included | 0 | 0 | 1 | 1 | |
| 27 | Database | Database Change | To store information of each test result in a object linked to lintingResult | 2 | 2 | 2 | 2 | |
| 32 | Front end | Show when a requested repository is not found | To see an error if my entered URL is wrong so that i can check if the entered URL is correct | 1 | 1 | 1 | 1 | |
| 33 | Backend | Visibility Check - Request access | To check the whether the "Request Access" provided by the front end is enabled or not and store the result in the database. | 2 | 2 | 1 | 1 | |
| 35 | Backend | Visibility Check | To check the whether the Gitlab wiki pages feature (provided by the front end) is enabled or not and store the result in the database | 2 | 2 | 1 | 1 | |
| 36 | Backend | Cleanliness - Project description - Backend | To check the whether the project description exists or not | 2 | 2 | 1 | 1 | |
| 39 | Backend | Cleanliness - Project Avatar - Back end | To check the whether the project avatar check provided by the front end is added or not | 1 | 1 | 2 | 2 | |
| 40 | Backend | Severity of Checks | To display the severity of the check | 1 | 1 | 2 | 2 | |
| 42 | Backend | JSON file update | To assign the severity level, description as well as the error message | 2 | 2 | 3 | 3 | |
| 45 | Backend | Check - Squash commits are not allowed | To ensure squash commits are not allowed | 2 | 2 | 2 | 2 | |
| 46 | Backend | Additional Check - README.md- | To check whether README.md file contains atleast one link at a specified URL area | 3 | 3 | 3 | 3 | |
| 47 | Backend | Additional Check - Badges | To check whether atleast one badge exist either in the README.md file or in the badge bar (at the top of the project) | 2 | 2 | 1 | 1 | |
| 48 | Backend | Additional Check - CONTRIBUTING.md- | to check whether CONTRIBUTING.md file contains link to other CONTRIBUTING.md file and display a warning message " CONTRIBUTING.md file does contain link to other CONTRIBUTING.md file" based on the check Acceptance criteria | 2 | 2 | 3 | 3 | |

Mid Term Release Analysis

| Date | Sprint | Burn Down | Dev Speed |
|------------|--------|-----------|-----------|
| 28.04.2021 | 1 | 191 | 0 |
| 05.05.2021 | 2 | 180 | 5.5 |
| 12.05.2021 | 3 | 170 | 7 |
| 19.05.2021 | 4 | 120 | 17.75 |
| 26.05.2021 | 5 | 102 | 17.8 |



| Term | Definition |
|---------------------------------|---|
| Crawler | The crawler extracts all repositories from a gitlab instance and sends them to the linter |
| Gitlab instance | A GitLab System, installed for a domain |
| Linter | The linter executes all checks for a repository and saves the results in the database |
| REST API | The rest api handles the communication between the frontend and the database. It also handles the communication between the frontend and the linter |
| Fehler | Hohes Schwierig |
| Warnung | Warning message |
| Info | Information message |
| Angular | a TypeScript-based open-source web application framework |
| Wireframes | A wireframe is a layout of a web page that demonstrates what interface elements will exist on key pages |
| YAML | a recursive acronym for "YAML Ain't Markup Language", is a human-readable data-serialization language. It is commonly used for configuration files and in applications where data is being stored or transmitted. |
| XML | It is an extensible markup language file and it is used to structure data for storage and transport |
| Spring (Boot) | It is an application framework and inversion of control container for the Java platform |
| Postgres SQL | It is an open-source relational database management system emphasizing extensibility and SQL compliance |
| Docker | Docker is a set of platform as a service products that use OS-level virtualization to deliver software in packages called containers |
| Docker-Compose | Docker Compose is a tool for running multi-container applications on Docker defined using the Compose file format |
| Compose file | It is used to define how the one or more containers that make up your application are configured. |
| GitLab4J™ API | It provides a full featured and easy to consume Java library for working with GitLab repositories via the GitLab REST API |
| OpenJDK | OpenJDK is an open-source implementation of the Java Platform, Standard Edition |
| VueJS | Vue.js is an open-source model–view–viewmodel front end JavaScript framework for building user interfaces and single-page applications |
| config file | All Checks and Settings are defined here |
| database | Contains only results of the linting process |
| README.MD | A README file contains information about other files in a directory or archive of computer software. |
| CONTRIBUTING.MD | A form of documentation, it is usually a simple plain text file called Read Me |
| MAINTAINERS.MD | It is a software contribution guidelines text file which project managers include in free and open-source software packages or other open media packages for the purpose of describing how others may contribute user-generated content to the project. |
| Test | It is a markdown file intended for maintainers with commit access to one or more repositories. |
| Projekte | Specific check that tests the characteristic of a Projekt |
| | Gitlab repository/project |
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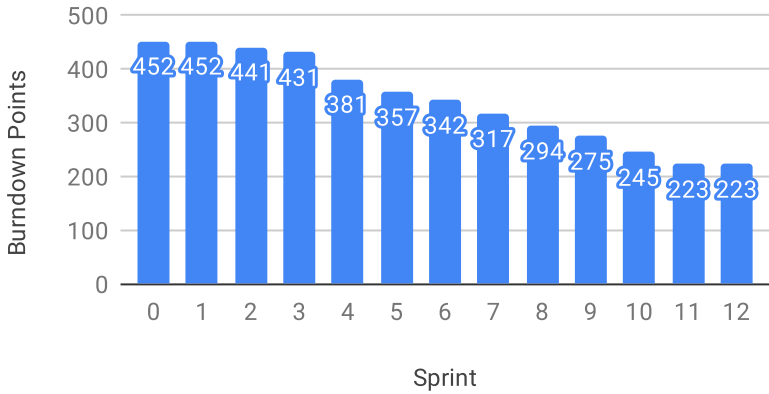
| Product Vision | Project Mission |
|---|--|
| Helping Open-/Inner source initiatives improve their work and raise awareness for great projects. | Developing an awesome app without hating each other afterwards. Having a clear overview over all the different inner source projects within Datev and improve collaboration within the company. The goal is also to give improvement suggestions to maintainers about the quality of their project. |

| | | | | | | | |
|---------------|------------|---|--|-----------|-----------|-----------|-----------|
| Mid - Term | No Sprints | 6 | | | | | |
| | Due Date | 19.05.2021 - 26.05.2021 | | | | | |
| Sprint Review | Sprint | Sprint Theme | User Stories | Est. Size | Real Size | Burn-Down | Dev Speed |
| 21.04.2021 | 0 | - | - | 0 | 0 | 452 | 0.00 |
| 28.04.2021 | 1 | Project Preparation and Analysis | - | 0 | 0 | 452 | 0.00 |
| 05.05.2021 | 2 | Basic Functionality | 6, 20, 15, 5, 7, 27 | 17 | 11 | 441 | 5.50 |
| 12.05.2021 | 3 | Frontend and Backend | 21, 12, 18, 16, 32, 14, 13, 33, 19, 17, 35 | 12 | 10 | 431 | 7.00 |
| 19.05.2021 | 4 | Frontend and Backend | 43, 39, 36, 45, 48, 3, 46, 42, 40, 47, 11 | 55 | 50 | 381 | 17.75 |
| 26.05.2021 | 5 | Mid Term Release | 54, 59, 55, 60, 41, 57, 58, 26, 53, 49 | 18 | 24 | 357 | 19.00 |
| | Total | | | 102 | 95 | | |
| Final | No Sprints | 7 | | | | | |
| | Due Date | 14.07.2021 | | | | | |
| Sprint Review | Sprint | Sprint Theme | User Stories | Est. Size | Real Size | Burn-Down | Dev Speed |
| 02-06-2021 | 6 | Frontend and Backend | 70, 74, 75, 73, 72, 8 | 16 | 15 | 342 | 18.33 |
| 09-06-2021 | 7 | Frontend and Backend | 79, 82, 80, 64, 66, 81, 71 | 18 | 25 | 317 | 19.29 |
| 16-06-2021 | 8 | Frontend and Backend | 101, 83, 95, 89, 87, 93, 88, 85, 86, 84, 62 | 20 | 23 | 294 | 19.75 |
| 23-06-2021 | 9 | Frontend and Backend | 96, 69, 100, 94, 103, 102, 51 | 16 | 19 | 275 | 19.67 |
| 30-06-2021 | 10 | Frontend and Backend/Bug fixing/Documentation | 105, 106, 98, 104, 118, 107, 111, 52, 112, 113, 110, 109, 115, 114 | 29 | 30 | 245 | 20.70 |
| 07-07-2021 | 11 | Frontend and Backend/Bug fixing/Documentation | 121, 120, 123, 122, 124, 99, 108, 117, 116 | 22 | 22 | 223 | 20.82 |
| 14-07-2021 | 12 | Demo Day | - | 0 | 0 | 223 | 19.08 |
| | Total | | | 121 | 134 | | |

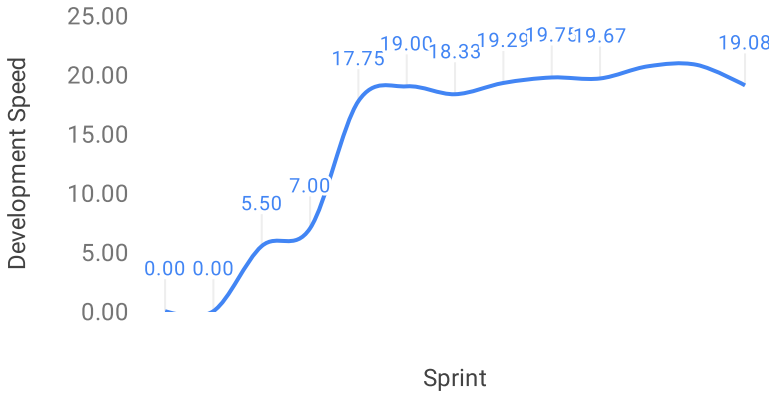
Final Release Burndown Analysis

| Date | Sprint | Burn Down | Dev Speed |
|------------|--------|-----------|-----------|
| 21.04.2021 | 0 | 452 | 0.00 |
| 28.04.2021 | 1 | 452 | 0.00 |
| 05.05.2021 | 2 | 441 | 5.50 |
| 12.05.2021 | 3 | 431 | 7.00 |
| 19.05.2021 | 4 | 381 | 17.75 |
| 26.05.2021 | 5 | 357 | 19.00 |
| 02-06-2021 | 6 | 342 | 18.33 |
| 09-06-2021 | 7 | 317 | 19.29 |
| 16-06-2021 | 8 | 294 | 19.75 |
| 23-06-2021 | 9 | 275 | 19.67 |
| 30-06-2021 | 10 | 245 | 20.70 |
| 07-07-2021 | 11 | 223 | 20.82 |
| 14-07-2021 | 12 | 223 | 19.08 |

Final Release - Burn Down



Final Release - Development Speed



| # | Theme | Goal | Feature Name | Est. Size (Feature) | Est. Size (Sprint) | Real Size (Feature) | Real Size (Sprint) | Burn-Down |
|----|---------------|---|--|---------------------|--------------------|---------------------|--------------------|-----------|
| 3 | Backend | Query a gitlab repository | To get details of a repository and display in the dashboard | 3 | 3 | 5 | 5 | |
| 5 | Back end | REST API | To query the linting state of the projects | 5 | 5 | 3 | 3 | |
| 6 | Front End | Feature to enter link to repository in the front end screen | In order for backend to check the repository entered in front end screen | 3 | 3 | 3 | 3 | |
| 7 | Backend | Crawler | To check the repository from the front end for criteria being defined later | 5 | 5 | 1 | 1 | |
| 11 | Backend | JPA Objects | JPA objects to store linting results in a persistent data base | 3 | 3 | 3 | 3 | |
| 12 | Front end | Visibility Check | To check in the database if the visibility of the project is public and display the result | 0 | 0 | 0 | 0 | |
| 13 | Backend | Visibility Check | To check if the visibility of a project given by the frontend is set to "public" and store the result in the database | 0 | 0 | 0 | 0 | |
| 14 | Front end | Merge Request Activation Check | "Merge Requests" in settings should be activated/enabled "Everyone with access" should be allowed to use "Merge Requests" | 3 | 3 | 3 | 3 | |
| 15 | Backend | Merge Request Activation Check | "Merge Requests" in settings should be activated/enabled. "Everyone with access" should be allowed to use "Merge Requests" | 3 | 3 | 2 | 2 | |
| 16 | Front end | Forking Activation Check | "Forking" in settings should be activated/enabled "Everyone with access" should be allowed to use "Forking" | 0 | 0 | 0 | 0 | |
| 17 | Backend | Forking activation check | "Forking" in settings should be activated/enabled "Everyone with access" should be allowed to use "Forking" | 2 | 2 | 2 | 2 | |
| 18 | Front end | Issues Activation Check | "Issues" in settings should be activated/enabled "Everyone with access" should be allowed to use "Issues" | 0 | 0 | 0 | 0 | |
| 19 | Backend | Issues Activation Check | "Issues" in settings should be activated/enabled "Everyone with access" should be allowed to use "Issues" | 2 | 2 | 1 | 1 | |
| 20 | Front end | Yaml / XML configuration file | To edit a yaml/xml file to edit what checks should be displayed to the user. | 2 | 2 | 2 | 2 | |
| 21 | Backend | Mandatory Files Check | To check whether the files (README.md, CONTRIBUTING.md, MAINTAINERS.md) are | 0 | 0 | 1 | 1 | |
| 27 | Database | Database Change | To store information of each test result in a object linked to lintingResult | 2 | 2 | 2 | 2 | |
| 32 | Front end | Show when a requested repository is not found | To see an error if my entered URL is wrong so that i can check if the entered URL is co | 1 | 1 | 1 | 1 | |
| 33 | Backend | Visibility Check - Request access | To check the whether the "Request Access" provided by the front end is enabled or not and store the result in the database. | 2 | 2 | 1 | 1 | |
| 35 | Backend | Visibility Check | To check the whether the Gitlab wiki pages feature (provided by the front end) is enabled or not and store the result in the database | 2 | 2 | 1 | 1 | |
| 36 | Backend | Cleanliness - Project description - Backend | To check the whether the project description exists or not | 2 | 2 | 1 | 1 | |
| 39 | Backend | Cleanliness - Project Avatar - Back end | To check the whether the project avatar check provided by the front end is added or not | 1 | 1 | 2 | 2 | |
| 40 | Backend | Severity of Checks | To display the severity of the check | 1 | 1 | 2 | 2 | |
| 42 | Backend | JSON file update | To assign the severity level, description as well as the error message | 2 | 2 | 3 | 3 | |
| 45 | Backend | Check - Squash commits are not allowed | To ensure squash commits are not allowed | 2 | 2 | 2 | 2 | |
| 46 | Backend | Additional Check - README.md- | To check whether README.md file contains atleast one link at a specified URL area | 3 | 3 | 3 | 3 | |
| 47 | Backend | Additional Check - Badges | To check whether atleast one badge exist either in the README.md file or in the badge bar (at the top of the project) | 2 | 2 | 1 | 1 | |
| 48 | Backend | Additional Check - CONTRIBUTING.md- | to check whether CONTRIBUTING.md file contains link to other CONTRIBUTING.md file and display a warning message " CONTRIBUTING.md file does contain link to other CONTRIBUTING.md file" based on the check | 2 | 2 | 3 | 3 | |
| 70 | Backend | URL area check | To change the domains to check for within the readme.md in the JSON file without the need for hardcoding | 2 | 2 | 1 | 1 | |
| 74 | Front end | Actionable items front end | To know the top 3 actions I can take to improve my repository | 3 | 3 | 2 | 2 | |
| 75 | Backend | Actionable items backend | To prioritize checks in regards to a ranking and give the user feedback on what to fix next. | 2 | 2 | 1 | 1 | |
| 73 | Documentation | Status of Crawler | To fix the error if the crawler is not taking action | 2 | 2 | 5 | 5 | |
| 72 | Backend | Sorting Backend | Additional information to sort repositories in the front end | 5 | 5 | 3 | 3 | |

| # | Theme | Goal | Feature Name | Est. Size (Feature) | Est. Size (Sprint) | Real Size (Feature) | Real Size (Sprint) | Burn-Down |
|-----|----------------|---|---|---------------------|--------------------|---------------------|--------------------|-----------|
| 8 | Automate Tests | Automate Tests (Github actions) | Automated testing environment to get quick overview of the project | 2 | 2 | 3 | 3 | |
| 79 | Backend | CSV export | To export the results of all checks as a csv | 8 | 8 | 8 | 8 | |
| 82 | Defect | Bugs to Backlog | To know bugs to be fixed or added to the backlog | 1 | 1 | 1 | 1 | |
| 80 | Defect | Start Crawler API bug | Endpoint POST - /crawler does not return. and takes endlessly time | 0 | 0 | 2 | 2 | |
| 64 | Backend | Service desk deactivation | To check whether service desk is activated or deactivated | 1 | 1 | 1 | 1 | |
| 66 | Backend | Check - Default README.md file | To compare README.md file with the default README.md file | 1 | 1 | 3 | 3 | |
| 81 | Front end | Frontend Makeover | To have a clear view of the frontend | 2 | 2 | 2 | 2 | |
| 71 | Front end | Sorting Frontend | To have the project list to be sorted according to different metrics or categories | 5 | 5 | 8 | 8 | |
| 101 | Front end | Project overview as batches | To display projects in batches of 50 | 1 | 1 | 1 | 1 | |
| 83 | Backend | hasSquashingEnabled Issue | To disable hasSquashingEnabled temporarily until the API is updated | 1 | 1 | 1 | 1 | |
| 95 | Front end | Download Button | To create a push button to download project results as csv | 1 | 1 | 1 | 1 | |
| 89 | Documentation | Wiki Folder to be moved to docs folder as .md | Current wiki should be moved to docs folder as .md | 1 | 1 | 1 | 1 | |
| 87 | Testing | Limiting the number of linting projects | To restrict the number of projects to be linted as defined in the json file | 2 | 2 | 2 | 2 | |
| 93 | Frontend | API call for all developers | An API call that returns the relevant information for sorting them in the frontend | 2 | 2 | 2 | 2 | |
| 88 | Refactoring | Seperate class for each check | To extend the checks by adding an additional class | 5 | 5 | 5 | 5 | |
| 85 | Bug | API end points response | API endpoint /projects does not set status "OK" correctly | 1 | 1 | 1 | 1 | |
| 86 | Testing | Public Gitlab Instance | To be able to run the linting application on the public gitlab instance | 0 | 0 | 3 | 3 | |
| 84 | Backend | Better Log Output | To improve the Log Output | 3 | 3 | 3 | 3 | |
| 62 | Backend | Change Config file | To update the config file even when app is running in docker | 3 | 3 | 3 | 3 | |
| 96 | Frontend | Making frontend responsive | Visual check on 1920x1080. | 5 | 5 | 5 | 5 | |
| 69 | Backend | Readability Check | To check whether the README.md file contains atleast one picture. | 1 | 1 | 1 | 1 | |
| 100 | Backend | Last Lint Timestamp | To know when the projects were last linted | 1 | 1 | 1 | 1 | |
| 94 | Frontend | Frontend Consistency | To find diferent names for the same thing in the frontend | 1 | 1 | 1 | 1 | |
| 103 | Bug | Last Lint Timestamp | To use the time stamp of the last linting run to fix it | 1 | 1 | 1 | 1 | |
| 102 | Bug | Timezones | Sending the right Timestamp (UTC - ISO) to the frontend | 2 | 2 | 2 | 2 | |
| 51 | Backend | Statistics API | To have an overview of how all repositories are doing | 5 | 5 | 8 | 8 | |
| 105 | Frontend | Frontend uses Pagination | To get a specified number of projects by the backend when going on the page, searching or filtering | 5 | 5 | 5 | 5 | |
| 106 | Backend | Batches of Projects | Only want 50 projects to be loaded at a time | 0 | 0 | 0 | 0 | |
| 98 | Frontend | Frontend Spinner | To know whether user need to wait for the page to be loaded | 2 | 2 | 2 | 2 | |
| 104 | Frontend | Crawler Status | To see the status of the linter | 2 | 2 | 3 | 3 | |
| 118 | Bug | Routing Bug | The following does not work: /projects tab can only be opened | 2 | 2 | 2 | 2 | |
| 107 | Bug | Footer Issue | Footer disappears when the scrollbars exists/appears. | 2 | 2 | 2 | 2 | |
| 111 | Bug | Top 3 Tipps | Footer disappears when the scrollbars exists/appears. | 1 | 1 | 1 | 1 | |
| 52 | Frontend | Display Statistics | Project Statistics to know how the projects are doing over time | 3 | 3 | 3 | 3 | |
| 112 | Bug | Overflow of the project description | When the description of a project is too large an overflow occurs | 1 | 1 | 1 | 1 | |
| 113 | Duplicate | Introduce Routing | To enable Routing | 0 | 0 | 0 | 0 | |
| 110 | Frontend | Angular Routing | To have differnt urls across the app | 2 | 2 | 2 | 2 | |
| 109 | Frontend | Backend searching sorting and filtering | Need the backend to do the sorting, filtering and pagination | 5 | 5 | 5 | 5 | |
| 115 | Bug | Donut Chart | Donut charts don't display anything | 3 | 3 | 3 | 3 | |
| 114 | Bug | Loop in the graph | Loops in the graph | 1 | 1 | 1 | 1 | |
| 121 | Frontend | Performance Increases | To make the website faster in terms of performace | 8 | 8 | 8 | 8 | |
| 120 | Backend | Search Namespaces | To search for namespaces | 2 | 2 | 2 | 2 | |
| 123 | Bug | Page freezing on initial load | Components are stuck in the top left when initially loading the page | 1 | 1 | 1 | 1 | |
| 122 | Bug | Stop Timer for Get Status | Does not stop requesting GET /crawler | 1 | 1 | 1 | 1 | |
| 124 | Bug | Double Request | The frontend sends the GET /projects request twice, because of the searchbar | 1 | 1 | 1 | 1 | |
| 99 | Frontend | Error Message | To know if there is an error with the application | 2 | 2 | 2 | 2 | |
| 108 | Frontend | Statistics Design Change | To make statistics more dynamic and smaller | 2 | 2 | 2 | 2 | |
| 117 | Documentation | Update user documentation | To need the current documentation | 2 | 2 | 2 | 2 | |
| 116 | Refactoring | Frontend Refactoring | Frontend to be refactored | 3 | 3 | 3 | 3 | |

| # | Theme | Goal | Feature Name | Est. Size (Feature) | Est. Size (Sprint) | Real Size (Feature) | Real Size (Sprint) | Burn-Down |
|---|-------|------|--------------|---------------------|--------------------|---------------------|--------------------|-----------|
| | | | | | | | | |

| Sprint | Status | Source | Impediment | Resolution |
|--------|----------|---|--|---|
| 2 | Resolved | Team Logo | Incorporating DATEV logo into T-shirt | Sought additional approval to to include DATEV logo on Tshirt both from FAU and DATEV |
| 3 | Resolved | Creation of adhoc user stories | Unforeseen new user stories based on developer identification of new user story based on/related to a already created user story that is being worked upon | Whenever a developer identifies requirement of adding new stories then the same will be communicated to product owner(s) to be added in the Kanban board based on customer requirements |
| 3 | Resolved | Coordination | Coordination between Front end and Backend | Increase communication and coordination between front end and backend developers. |
| 3 | Resolved | Duplication of user stories | User stories are created holistically in sprint number 3,2 | Avoid Duplication and review the user stories with developers. More coordination between product owners required. Separate discord channel to discuss new stories before the sprint meeting on wednesday. |
| 4 | Resolved | Feedback from Customer | Delay in receiving response | Increase more communication with customer. |
| 5 | Resolved | Closing completed issues | Completed issues in Kanban board are not closed | Inform the coach if in case, we did not receive update at the end of the week. |
| 6 | Resolved | Creation of user stories on sprint day | Less time to review new stories before the sprint review meeting | Product owners to close the completed issues. Done |
| 7 | Resolved | User stories are technical | The technical details may not be accurate or mislead SD's | Product owners to create new user stories by Sunday before sprint review meeting so that software developers can review them and ask for clarifications (if any) |
| 8 | Resolved | User stories created by software developers | Miscommunication issue whether to contact PO or SD first | 1) Product owners to create user stories by Sunday. 2) We need to create user stories objectively. 3) SDs will review and come back for clarifications. 4) Based on the need, Contact Max if we disagree with requirement or for any changes before sprint review meeting. |
| 9 | | | | Whenever a Product owner finds a user story created by software developer, PO/SD informs and discuss with SD/PO. It is a collective responsibility. |
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| # | Feature Definition of Done | Sprint Release Definition of Done | Project Release Definition of Done |
|----|--------------------------------|-----------------------------------|------------------------------------|
| 1 | Approved by product owner | Demo approved by team | Demo approved by team |
| 2 | Code review by release manager | Code review by release manager | User Documentation |
| 3 | 50% test coverage | 50% test coverage | Guide on deploying the application |
| 4 | | Approved by product owner | Code Documentation |
| 5 | | Deployable via docker | 70% test coverage |
| 6 | | | Code review by release manager |
| 7 | | | Apporved by product owner |
| 8 | | | Deployable via docker |
| 9 | | | User acceptance testing |
| 10 | | | Approved by customer |
| | | | |
| | | | |

| Type | Link / reference |
|--------------------|---|
| Overview README | https://github.com/amosproj/amos-ss2021-is-project-linter/blob/main/README.md |
| Server README | https://github.com/amosproj/amos-ss2021-is-project-linter/blob/main/server/README.md |
| Frontend README | https://github.com/amosproj/amos-ss2021-is-project-linter/blob/main/frontend/README.md |
| Full Documentation | https://github.com/amosproj/amos-ss2021-is-project-linter/tree/main/docs |
| Data Documentation | https://github.com/amosproj/amos-ss2021-is-project-linter/blob/main/data/README.md |

| \ | Context | Name | Version | License | Comment |
|----|----------------------------|-----------------------|------------------|---|------------------------|
| 1 | Frontend Framework | Angular | 11.2.11 | MIT | |
| 2 | Backend Framework | Spring (Boot) | 2.4.5 | Apache License 2.0 | |
| 3 | Backend Database | Postgres SQL | 12 | PostgreSQL Licence | Similar to MIT |
| 4 | Backend runtime | Docker | 20.10.6 | Apache License 2.0 | |
| 5 | Backend orchestrator | Docker-Compose | 1.29.1 | Apache License 2.0 | |
| 6 | Backend Framework | GitLab4J-API | 4.8.0 | MIT | |
| 7 | Backend testing | JUnit | 5 | Eclipse Public License | |
| 8 | Backend scheduler | awaitility | 3.1.2 | Apache License 2.0 | |
| 9 | Testing Database | H2 in-memory database | 1.0.200 61217 | Eclipse Public License or Mozilla Public License 2.0 | |
| 10 | Http Testing | HttpClient | 4.5.13 | Apache License | |
| 11 | Java runtime | OpenJDK | 11.0.11 | GNU GPL v2 | with linking exception |
| 12 | Frontend UI Components | Angular Material | 11.2.12 | MIT-like | |
| 13 | Frontend Framework | VueJS | 2.6.12 | MIT | |
| 14 | Frontend UI Components | Vuetify | | MIT | |
| 15 | HTTP client | Axios | | MIT | (frontend) |
| 16 | Event Bus | Tiny-Emitter | | MIT | (frontend) |
| 17 | Frontend Date Library | DayJS | 1.10.4 | MIT | |
| 18 | Software Initializer | dumb-init | 1.2.5 | MIT | (docker) |
| 19 | Graph Visualisation | chart.js | 2.9.4 | MIT | |
| 20 | WebServer and ReverseProxy | nginx | stable | 2-clause BSD - like | (docker) |
| 21 | Exporting CSV | OpenCSV | 5.4 | Apache License 2.0 | |
| 22 | Logger | slf4J | 1.7.30 | MIT | |
| 23 | Web Font | Google Roboto | 2.138 | Apache License 2.0 | |
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| Last Name | First Name | Value | | | | | |
|-----------|-----------------------------|-------|--|------|-------------------|--|--|
| Böhm | Lukas | 0 | | 0.00 | OK | | |
| Groth | Patrick | 0 | | | | | |
| Wohlwend | Christoph | 0 | | | | | |
| Pfister | Jonas | 0 | | | | | |
| Karri | Veera Venkata Satyanarayana | 0 | | 0 | No effort | | |
| Neuerer | Christian | 0 | | 1 | Minimal effort | | |
| Asani | Amir | 0 | | 2 | Small effort | | |
| Krieg | Nicolas | 0 | | 3 | Medium effort | | |
| | | | | 5 | Large effort | | |
| | | | | 8 | Very large effort | | |
| | | | | 13 | Too large effort | | |