

Sprint A Project Preparation

ECSE 428

Group 20, Winter 2022

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1 Product and Sprint Backlogs

The Product Backlog is described in the Excel Spreadsheet, NFTEA_Backlog.xlsx

This same spreadsheet will include Sprint A and Sprint B Backlogs.

2 Release Pipeline

2.1 Source Control

Our team will be using GitHub for Source Control. The source code, tests, continuous integration builds and project documentation will be hosted in the GitHub Repository. The backend will be hosted on Heroku along with a PostgreSQL database.

2.2 Build

We will be using Gradle as the build tool for this project. The tool will compile and launch all tests as part of the build process.

2.3 Continuous Integration

We will be using GitHub Actions as part of our Continuous Integration which will run Gradle tests and push to Heroku afterwards.

3 Team Coordination

3.1 Weekly Team Meetings

We will schedule a hybrid in-person/zoom meeting, recorded in Meeting Minutes, on Tuesdays at 9:00AM to plan out the tasks and current progress.

We will also have a daily scrum meeting, hosted by the Scrum Master, on Discord at 9am going over the day's tasks and important information to share.

At the start of each Sprint, during the planning week, we will have an early Planning Meeting, recorded in the Meeting Minutes.

Finally, during the retrospective meeting at the end of the sprint, a demo will be carried out on the current state of the product.

3.2 Technical Knowledge Sharing

For updates, support, and collaboration, we have a discord server dedicated to the project with specific channels for various parts.

For documentation, drafts will be hosted on Google Drive and edited with their Google tools, while final editions will be added to the GitHub Repository.

3.3 Project Tracking

GitHub will be used to share and manage versions of our project. The Issues board along with the Project board will be utilized to keep track of the tasks/stories as well as to report problems and bugs to the team efficiently.

4 Scrum Master

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5 Story Done Checklist

After completing each task of a user story, to mark the latter as "Done", it must satisfy all of the following conditions:

- ☐ The story's programming tasks are implemented.
- ☐ The story's programming tasks contain sufficient documentation or written comments for comprehension.
- ☐ The story's programming tasks are peer reviewed using GitHub Pull Requests, marked as "Peer-Reviewed" in the Sprint's backlog alongside the Reviewer's name.
- ☐ The story respects non-functional requirements.
- ☐ All known bugs are documented, attempted to be fixed, and are acceptable to the Proxy Product Owner.
- ☐ The story's Gherkin tests pass.
- ☐ All tests prior to the implementation of this user story should still pass.
- ☐ Any documentation documents have to be properly stored on GitHub for ease of access and use and is properly named based on the story's identifier (i.e. US001_UsageReport.pdf).
- ☐ The story's continuous integration workflow passes on GitHub Actions.
- ☐ All of the story's tasks have been completed and status changed to "Completed".
- ☐ The user story wiki page is completed and documentation can be accessed.

- ☐ The user story should respect compliance requirements with the use of Ethereum, Facebook/Instagram API, MetaMask, and the usage of Smart Contracts.

Following the checklist revision of the user story:

1. Mark the user story as "Done" in the Sprint Backlog.
2. Mark the user story as "Done" in the Product Backlog.
3. Close any issues related to the user story and the user story's tasks on GitHub.
4. Ensure user story code is merged onto main branch.

6 Product Done Checklist

After all user stories are completed, to mark the product as "Done", it must satisfy all of the following conditions:

- ☐ The product respects all functional, non-functional, user, system, and business requirements.
- ☐ The product backlog user stories are all marked as "Done".
- ☐ The product's demo is functional and has been presented to the team, then the Proxy Product Owner, going over the functionalities of all user stories, and has been accepted by peer review.
- ☐ The product's acceptance tests (Gherkin) pass on request.
- ☐ All product tests pass on each Continuous Integration build.
- ☐ The product's readme and wiki is completed and properly formatted for knowledge transfer.
- ☐ The task status of all product's features should be marked as "Completed".
- ☐ All Github issues are closed.
- ☐ All known bugs are documented and attempted to be fixed.
- ☐ The product's source code is up to date on the Main branch.
- ☐ The NF-TEA Marketplace is able to process transactions and items.
- ☐ the NF-TEA Marketplace is able to be deployed at the Proxy Product Owner's authorization.