### Project intro

### In this project, we are going to build a website for merchants to sell products. On this website, users would be able to search, view and purchase products, the merchant would be able to post products, accept orders, and monitor sales. The website would support user management, merchant management, product management and administration.

### In this project, we are going to use React.js to build the frontend and Flask as the backend server. We are going to use gradle as a build tool and github actions as CI/CD platform. We plan to use docker container to test and deploy our work.

### Our team would use Github projects to organize our development and we are going to follow an agile workflow. We are to hold weekly sprints and conduct daily scrums to make sure the project is on the right track.

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### Project tools

Flask, Python, Heroku

### Plan for Next Two Weeks

For the next two weeks we are going to build the basic framework for the project. Since we are planning to design a buying/selling web application, we are planning to split our project into two groups, one work on the front-end and one on the back-end. For the next two weeks the front-end group should create a basic structure for the website. And the back-end group will work on managing user data.

### User Stories

All of the stories go to github Projects

1 Website sellers can go to the stats page to check their daily/monthly/yearly revenue which are presented in charts and graphs.

2 Users can check the selling amount of the products and remaining amount of the products as they go to the product pages.

3 Rating for each product is available for users to view, but only the users who purchased the product can rate the product.

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| **Actor** | **Activity** | **Label** |
| As a user | I should be able to sign in with id and password | Manage Profile |
| As a user | I should be able to view product details | View Allocations |
| As a user | I should be able to purchase products | Core Function |
| As an Admin | I should be able to list all users | Manage Project |
| As an Admin | I should be able to list all products | Manage Project |
| As a manager | I should be able to set project start and end date | Allocate project |
| As a manager | I should be able to formalize teams | Manage people |
| As a manager | I should be able to track attendance | Manage people |
| As a admin | I can go to the stats page to check my daily/monthly/yearly revenue which are presented in charts and graphs. | Revenue management |
| As a user | I can check the selling amount of the products and remaining amount of the products as I go to the product pages. | View products |
| As a user | Rating for each product is available for me to view, but I can only rate the products after I purchased them. | Rate products |

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| --- | --- | --- |
| As a user | I should be able to view a seller rating | Seller ratings |
| As a user | I should be able to view past purchases | User history |
| As a manager | I should be able to change the product price | Edit products |

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