

Sprint 1 Plan

Product Name: Velo

Team Name: YesYes!

Sprint Completion Date: July 10th, 2017

Revision Date: July 5th, 2017

Revision Number: No.1

Goal

Create a mobile application that lets the owner of a registered bicycle lend his/her bicycle by changing the status of it to a "Lending Available" state so that it appears to the borrowers searching for one who can see all the bicycles that are available and borrow one.

Task listing

User Story 1 (As a user, I want to register account and log in with my account)

- Task 1 Create an account register page (1hrs)
- Task 2 Create a login page (1hrs)
- Task 3 Build a web server with Apache (1hrs)
- Task 4 Set up the development environment with PHP, MySQL, and Android Studio. (2hrs)
- Task 5 Store the personal information (name, user id, password, email address, phone number, KAIST student id number) entered by the user in the database. (1hrs)
- Task 6 Develop the login system to support the following roles: (2hrs)
 - If the user enters an email address and a password that matches the with the email and password from the database, the user successfully logs in to the system.
 - Once the user logs in, keep the user logged in until he/she logs out using the sharedPreferences library from the android sdk.

Total for User Story 1: 8hrs

User Story 2 (As a user, I want to view my account information)

- Task 1 Create a my account information page (1hrs)
- Task 2 Create a bottom tab that allows the users to access other pages: bike list page, my bicycle information page, my account information page (1hrs)
- Task 3 Develop the user account page to support the following role: (1hrs)
 - If the user accesses the my account information page, the personal information is retrieved from the database and shown to the user.

Total for User Story 2: 3hrs

User Story 3 (As a lender, I want to register my bicycle)

- Task 1 Create a bicycle register page. (1hrs)
- Task 2 Develop the bicycle information page to support the following role:

- The bicycle information (lock password) entered by the user is stored in the database. (1hrs)

Total for User Story 3: 2hrs

User Story 4 (As a lender, I want to view my bicycle information and change the status of my bicycle to "Lending Available")

- Task 1 Create a my bicycle information page which has the button for the lender to change the status of bicycle (status: Lending Available, Not Available) (1hrs)
- Task 2 If the lender accesses the my bicycle information page, the bicycle information is retrieved from the database and shown(1hrs)
- Task 3 If the lender changes the status of the bicycle, changed status is updated in the database (1hrs)

Total for User Story 4: 3hrs

User Story 5 (As a borrower, I want to view the list of bicycles that are available)

- Task 1 Create a bicycle list page using recyclerview (1hrs)
- Task 2 If the borrower accesses the bicycle list page, list of every available bicycles is retrieved from the database and shown(2hrs)

Total for User Story 5: 3hrs

User Story 6 (As a borrower, I want to borrow the bicycle that is available and finish rental when I finish riding.)

- Task 1 Create a bicycle information page which has 'rent' button that borrower can borrow the bicycle (1hrs)
- Task 2 Create a riding page that prevents borrowers from connecting to other pages while using the bicycle. The page has a 'finish' button so that borrowers can finish rental (1hrs)
- Task 3 If the borrower clicks the rent button, the status of the bicycle is updated to "Using" in the database and the rental information is stored in the database (1hrs)
- Task 4 If the borrower clicks the finish button, the status of bicycle is updated to "Available" in the database (1hrs)

Total for User Story 6: 4hrs

Team roles

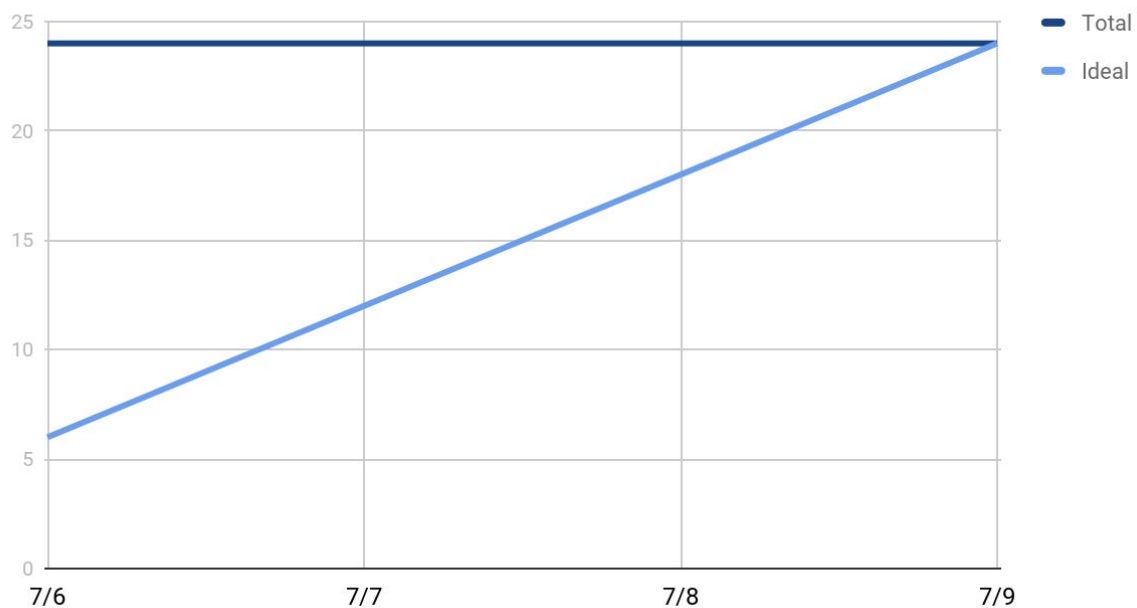
- Junyong Park: Product Owner, Front-end Developer, Back-end Developer
- Sujin Jang: Scrum Master, Back-end Developer
- Saelyne Yang: Front-end Developer
- Sangjin Choi: Front-end Developer
- Jaeyoon Kim: Back-end Developer

Initial Task Assignment

- Junyong Park: story 1 task 1, 3, 4, story 2 task 2, story 4 task 1, 2, story 5 task 1, 2
- Sujin Jang: story 1 task 3, 4, 5, 6, story 2 task 3, story 3 task 2, story 4 task 2, 3, story 5 task 2, story 6 task 3, 4
- Saelyne Yang: story 1 task 2, 4, story 2 task 1, story 4 task 1, story 6 task 1, 2
- Sangjin Choi: story 1 task 4, story 3 task 1, story 6 task 1
- Jaeyoon Kim: story 1 task 3, 4, story 2 task 3, story 3 task 2, story 4 task 3, story 5 task 2, story 6 task 3, 4

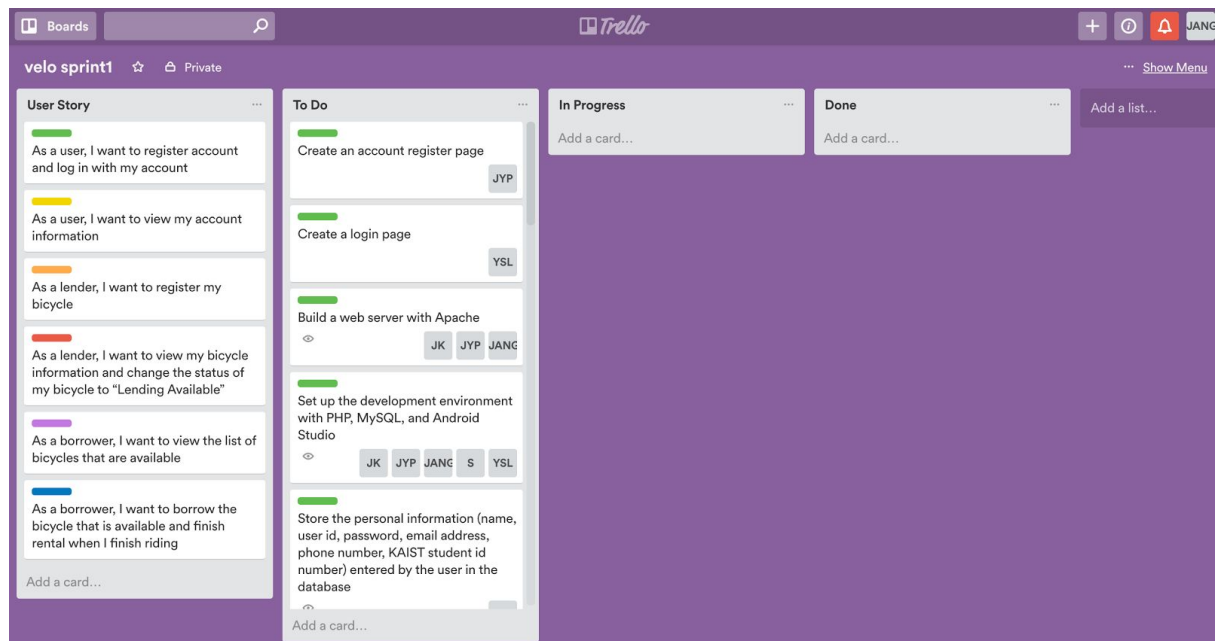
Initial Burnup Chart

Burn up chart



Initial Scrum Board

<https://trello.com/invite/b/scSiNRqG/458013b480c6d2e177c625bcd3e6750d/velo-sprint1>



Scrum Times

07/06 PM 9, 07/07 PM 9, 07/08 PM 9, 07/09 PM 9