User Guide

1. **CampusConnect User**

   All the members of the university are allowed to log in to the system with their existing SRS information. The SRS information would be stored in the database. Registering a new user from the application is not possible since all the users with access to SRS are already eligible for this website. Upcoming students and teaching staff are registered to the system from the database. After logging into the system users can access the second-hand sales page, renting page, lost&found page, and donations page. From the donations page, they can see the existing donation announcements and access the related club's profile. On the club profile page, they can see the information related to the club and all of their donation requests. On the second-hand sales page, users can view existing second-hand sales. They can contact to seller by messaging them. All users are allowed to add their sales to the system. They are allowed to delete their sales by using the delete buttons. Filtration of the sales for price is possible. Additionally, sales can be searched by using their names. Renting is very similar to second-hand sales. One difference is when the item is rented, the system saves the information of the renter in case of renting. Online payment is not available for both the second-hand sales and renting options. The payments are left between the buyer and seller. The last different operation page accessible by the users are lost&found page. Users can see either the lost items or found items by filtering them. They can add their own lost&found posts to the system. If an owner of the item is found it is saved by the author of the post to track items and avoid any kind of scam. Lastly, users can see their own profiles. On profile page, they can see the rentals they are related to and their sales and lost&found posts.

2. **Club Representative**

   Club Representative users are only allowed to access their related club's pages. They can edit the club home page and add new donation requests to the system.

Build Instructions

Back End
Clone https://github.com/dogazdmr/CampusConnect/main/ repository. Open the project folder using IntelliJ IDEA 2023.2.4. Check if the SDK file is available. If SDK file is not set up IDEA should inform you about it. If it is not available on your system install JDK 17 and then Project Structure -> Platform Settings -> SDKs -> Add new ("+" button) and select JDK 17 folder. When you try to run IntelliJ should change Maven dependencies. Database properties can be changed from the application.properties file. You should change the url, username and password of the database according to yours. The program uses MySQL. Download either Wamp or Mamp server to host your local database. Database sql file is available on the main branch. Create a database called "project" and import the file to access the data.

Front End

Clone https://github.com/dogazdmr/CampusConnect/master/

Initially install node.js and npm and make sure you can use npm command. Then change the directory to frontend using "cd" command. From frontend directory run "npm install" command. Then with "npm run dev" command program should start running.

Work Allocations

Serra Çapraz

Report
- Drew and explained the use-cases in "SecondHandSales" and "Renting"package
- Drew and explained all activity diagrams.
- Worked on the "Persistent Data Management"

Implementation
- Worked on the back-end of the project
- Implemented back hand of the Renting and Lost&Found Page.
- Worked on the implementation of the Renting Item and Lost&Found Item and Message Model
- Initialized database of the program.
- Worked on the implementation of the messaging.

Bartu Özyıldırım

Report
- Drew and explained the use-cases in "SecondHandSales" and "Renting"package
- Drew the first class diagram
- Wrote the "Hardware Software Mapping" and "Access Control and Security"
- Drew and explained final class diagram

Implementation
- Worked on the back end of the project.,
- Implemented the back-end of the Second Hand Sales page.
- Worked on the implementation of Product (Book, Furniture Electronic), User and Message models.
- Worked on the implementation of the messaging.

Burak Efe Öğüt

Report
- Drew and explained the use-cases in "Donations" package.
- Drew the mock-up of the project

- Drew and explained the Subsystem Decomposition diagram.

Implementation
- Worked on the back-end of the project.
- Implemented the back end of the Donations page
- Implemented the user Authorization
- Implemented the back end of the club home page.
- Implemented Donation, Club, User model
- Implemented the backend of the profile page.

Doğa Özdemir

Report
- Drew and explained the use cases in "SecondHandSales" and "Renting"package
- Drew and explained all state diagrams.
- Wrote the Introduction Section of design document "Termination" and "Boundry"

Implementation
- Worked on the front end of the project.
- Implemented a second-hand sales page
- Implemented home page
- Changed icons and logos
- Added filtering options
- Implemented renting page

Zeynep Baş

Report
- Drew and explained the use-cases in "SecondHandSales" and "Renting"package
- Drew and explained all state diagrams.
- Wrote the Introduction Section of design document "Failure" and "Initialization"

Implementation
- Worked on the front end of the project.
- Implemented user authorization
- Initial front end set up
- Fetching back-end data
- Implemented user profile
- Implemented club profile
- Implemented donation page