

USER MANUAL

Student Portal Application

EECS 393

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USER'S MANUAL

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Revision Sheet

Release No.	Date	Revision Description
Rev. 1	12-9-16	User's Manual Creation

1.0 GENERAL INFORMATION

1.1 System Overview

The Student Portal is designed to be an application on the Android operating system that provides a platform for posting and joining on-campus events, as well as exchanging second-hand items. The student portal will be used primarily by college students in order to better interact with the community as a whole. This mobile application will better allow users to participate in activities on campus and to be informed of upcoming events. It will also simplify the process of exchanging second-hand items on campus in hope that users will be more willing to share their idle resources.

Currently, the database is a local database. However, once a server is in place, users will be able to access the event and item listings online through the server, on any android device that has the Student Portal application installed.

1.2 Project References

[1] Christensson, P. (2015, March 5). *QR Code Definition* [online]. Available: http://techterms.com/definition/qr_code

1.3 Points of Contact

For any questions regarding the Student Portal application:

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2.0 SYSTEM SUMMARY

2.1 System Configuration

The Student Portal application is an Android application primarily targeting the Android 6.0 Marshmallow operating system. The application is designed for smartphones and requires a wireless connection in order to operate. We recommend users use Android smartphones with a minimum of 1Gb of RAM in order to run the application smoothly.

2.2 Data Flows

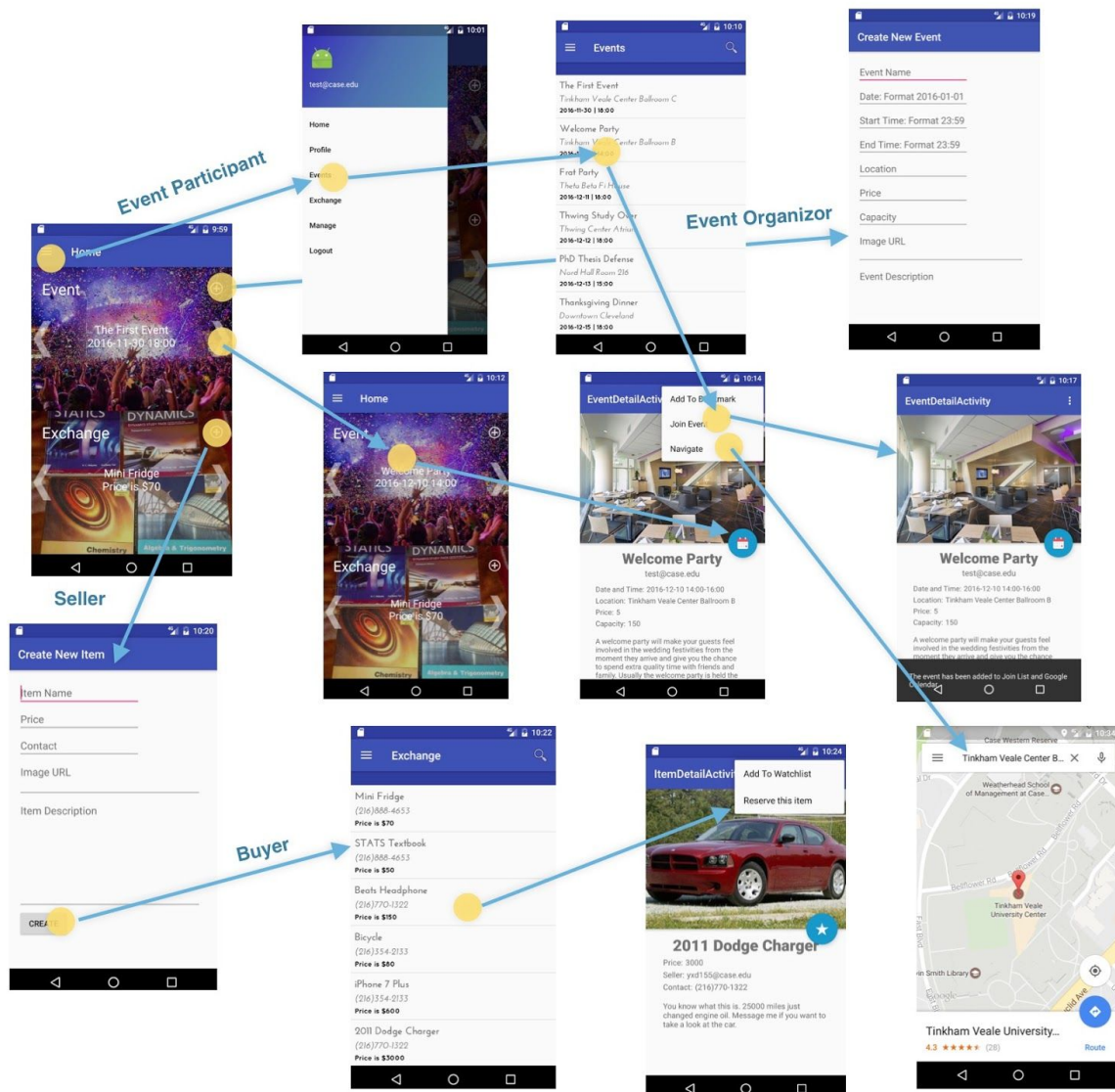
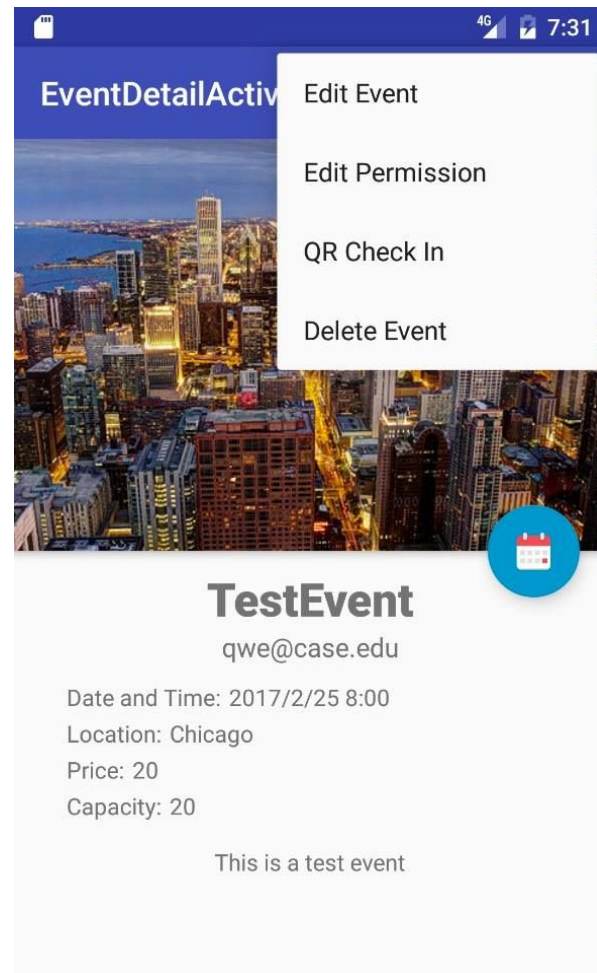
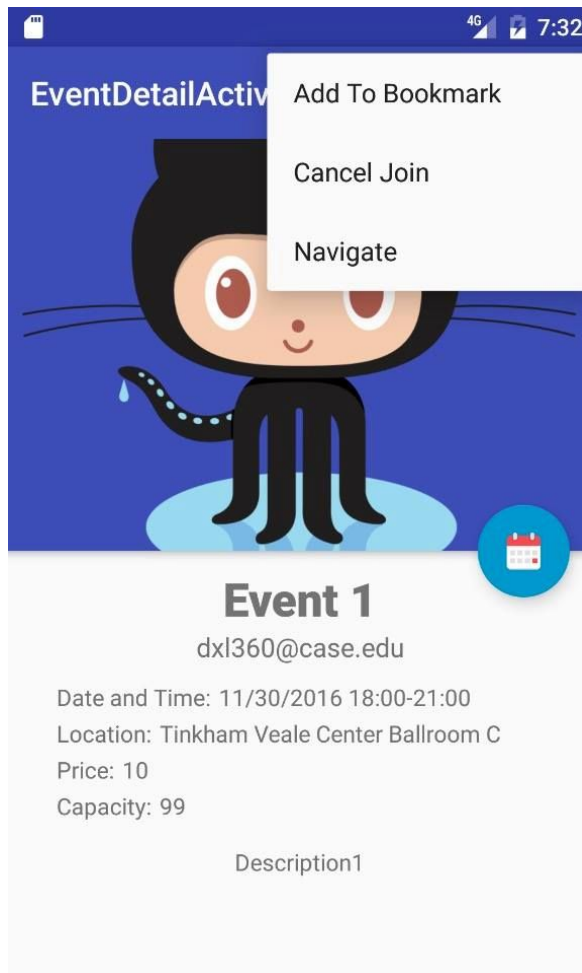


Figure 1: Action Flow diagram of interactions.

2.3 User Access Levels

All users in the system are treated as common users. However, should a user decide to host an event or post an item on the Exchange, they will have admin privileges on that event or item page. That is, the posting user can reject or block other users from their item or event as well as edit the item or event description. The different privilege screens can be seen below.



Figures 2 (left) and 3 (right): Event detail activity views for a regular user (left) and the event creator(right)

3.0 GETTING STARTED

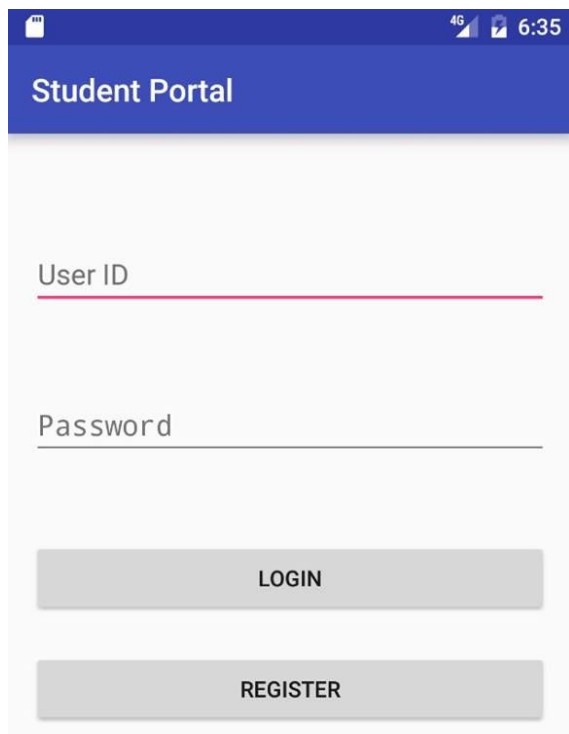
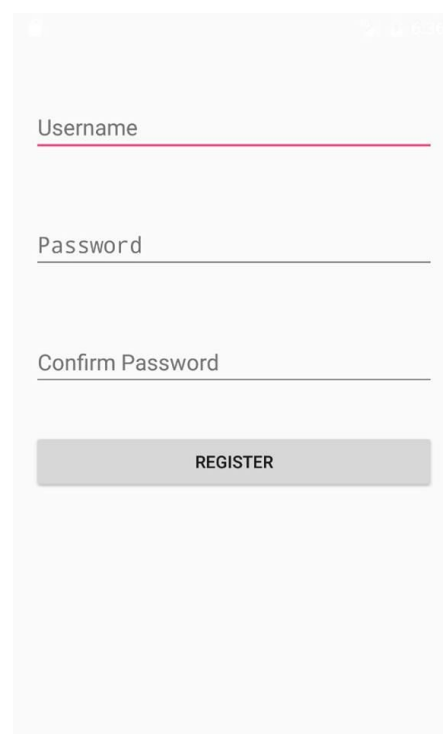
3.1 Logging In

To log in to the Student Portal application, users must first download and install the StudentPortal APK, which can be downloaded and built from https://github.com/dx1360/Student_Portal. After installation has been completed, to open the application, users need to tap the application launcher, which will look like the image in Figure 4. Doing this will lead them to the Login Menu shown in Figure 5. The student must be online in order to log in as well as access any item or event information.

Should the user not have an account with our application, before they login, they must go and register their e-mail and create a password in order to use the application. The username must be a valid email and the password must be 8-20 characters with an uppercase letter, a lowercase letter and a number. The user must also retype their password in order to successfully create an account.



Figure 4: Launcher icon (above). Figure 5: Login Page (below - left) Figure 6: Register Page (below-right)

A screenshot of the Student Portal login page. It has a blue header with "Student Portal" in white. Below the header, there are two input fields: "User ID" and "Password", each with a red underline. At the bottom, there are two grey buttons: "LOGIN" and "REGISTER". The status bar at the top shows "4G" and "6:35".A screenshot of the Student Portal register page. It has a light grey background. There are three input fields: "Username", "Password", and "Confirm Password", each with a red underline. At the bottom, there is a grey button labeled "REGISTER".

3.2 System Menu

After logging in, the user will be directed to the homepage, which is visible in Figure 7. To access the menu as well as the other major features of the Student Portal application, they can press the menu icon in the upper left corner, which will open the Sliding Menu, which can change the current view to any of the other activities of the system.

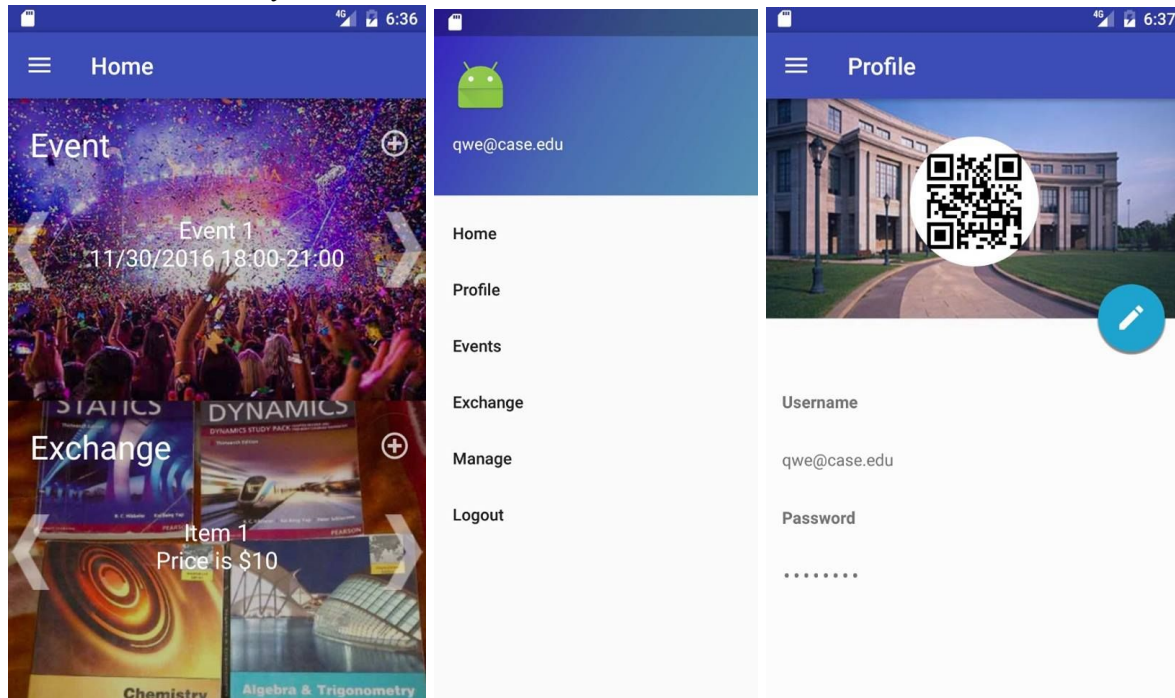


Figure 7, 8 and 9: Homepage of the Student Portal application (left), Sliding Menu (middle), and Profile Page (right)

3.3 Changing Password

For the user to change their password, the user must first go to the profile page via the Sliding Menu (which can be seen in Figure 8). After accessing the Profile page, the user must click the blue pencil button in order to go to the Edit Profile page. From there, the user can change their password providing it satisfies the existing password criteria (8-20 characters with at least one uppercase letter, one lowercase letter and one number).

3.4 Exit System

To logout and exit the application, the user should access the sliding menu and touch the button called logout.