**BU mApp**

BU mApp is an interactive map of Boston University where students can have a platform to check out college information, events going on on campus, and other college information. It targets prospect students, current student, or anyone who wants to know more about the university. Incoming freshman, prospect students, high school students, parents, and students from other colleges can use the app to find when and where a specific event at BU is held. The app can help people familiarize themselves to the campus and find out about the events in a specific college (e.g Questrom, Engineering). Therefore, students can attend to the events that they are interested in.

**Front End:**

BU mApp’s user interface includes a map of BU’s Charles River Campus. The map is divided into three different sections, East Campus, West Campus, and Central Campus. When BU mApp starts up, the Central Campus map is shown on the screen. In the top right corner, the East Campus button lets the user navigate to that part of the campus, and in the top left corner, the West Campus button does the same functionality for the other part of campus. In each section of the campus, there are different buttons for different BU buildings. When the user hits the button of the building of his or her choice, a picture of the building is shown on the screen with informational facts about the college and the buildings. In addition to that, when a college or building is selected, another button is shown on the screen. This second button shows the user the events that are going on in the respective building in that week. For example, if the user starts the app and hits East Campus in the top right of the screen and then hits the “QST” button, this brings up the picture of Questrom School of Business with informational facts about the college such as the degrees that they offer, the average GPA of the college etc. After hitting the “QST” button, another button is shown on the screen that reads “Questrom Events”. If this button is pressed, a page of all the events happening in the Business School shows up on the screen. In addition, the same functionality applies for Student Health Services, but when the user presses the “SHS” button, another button is shown on the screen that connects the user to Patient Connect and re-directs the user to the BU appointment scheduling website.

**Back End:**

The group used AndroidStudio to develop the app. The app is created on an empty MainActivity. The MainActivity links the user with the two other main activities on both ends with a slide animation. Each of the three main activities links the user to an activity to each of the landmarks. The landmarks’ activity has a scroll view implementation with text sliding, a button that links the user to a link, and an image. Buttons are jumps were programed in java while the object part of the activity was programmed in .xml.