Application Requirements

# Functionality Requirements

Functionality Requirements are the data and features that the app must have be accessible to the user to both see and use.

## Data

1: The app must include colour-coded floor plans for navigations, including further details on  
 tutor rooms, computer rooms, teaching spaces and details for out-of-hours access.

2: The app must include Tutor Profiles which include names, details and the location of their  
 tutor rooms.

3: The app must include a tour guide for open days, with all the necessary information  
 within.

4: The app must include a menu for the Café within the USB.

5: The app must include the locations of the vending machines in the USB, either on the  
 floor plan or as a part of a separate page.

6: The app must include information for the standard fire procedure of the USB, including  
 meeting locations.

7: The app must include a Wheelchair-accessible navigation guide.

8: The app must include both locations and descriptions of various architectural features of  
 the USB.

9: The app must provide details on the opening and closing times of both the Café and the  
 USB as a whole.

## Features

1: The app must give the user the ability to search for specific tutors and their rooms.

2: When the room is found, the app must give the user directions too said location.

3: The app must give the user directions both to and from the USB and other locations such  
 as the main campus.

4: The app must include a tour guide detailing the architectural features of the USB.

5: The app must include an open day mode, offering a guide for visitors to rooms, features of  
 the building and nearby landmarks.

6: The app must include a news feed of various events going on in the USB

# Design Requirements

1: The app must include photos of the building’s interior and exterior as a part its design.

2: The app must have toggleable Dark Mode functionality.

3: The app must have a menu that can be swiped in from the left-hand side of the screen.

4: The app must have an appropriate search button in order to use the search function of  
 the app.

5: The app must have a title section with appropriate menu icons for navigation.

6: As the floors of the USB are colour coded, the floors of the app must be colour coded  
 using the same choice of colourings as the building uses.

# Accessibility Requirements

1: The icon for activating wheelchair-accessible navigation must be appropriate.

2: The app must include colour-blindness support for Red-Green colour-blindness (Primarily  
 Deuteranomaly, which is the most common form), and may include support for  
 Blue-Yellow or Total Colour-Blindness subject.

3: The app may include text and user interface scaling as an option to improve the user  
 experience for users with impaired vision.