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functional Specification

BuzApp Project Specification

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| Version Control | | | |
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| V1 | Marc Jean-Pierre and Sahib Jabbal | First Version of Document | 10/10/17 |
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**Functional Specification**

**Capabilities**

**Nearby Stops –List**

* The use must be able to search for bus stops.
* When the search is pressed it should allow the user to type a bus stop name
* The user should be able to return to the previous screen with a back button
* Once the bus stop name is pressed it should display the next 5 buses to that stop in a list
* The recent 5 searches should be accessible to the user in the recent tab
* This should display the bus stops in a list
* When the bus stop is selected, the user must be able to view the next 5 buses
* The user should be able to add bus stops to their favourites for easy access
* This should display the bus stops in a list form
* Once the bus stop name is pressed it should display the next 5 buses to that stop in a list form

**Buses to a Stop List**

* The user must be able to add the bus stop from the stop list to their favourites

**Journey Planner**

* The user must be able to plan a journey
  + The user must be able to select their starting destination
  + The user must be able to select their destination
  + The user must get the departure time and estimated arrival of buses

**Calendar**

* The user should be able to link the Calendar app to BuzApp
  + The user must be able to view their personalised bus timetable for the day in a table view
  + The location of the user’s event selected should be passed to the journey planner

**Appearance**

**Nearby Stops –List**

* Three tabs displayed in the header for nearest, recent and favourite stops

**Buses to a Stop List**

* Button for the user to add the bus stop to their favourites

**Journey Planner**

* The journey planner must clearly show the departure and arrival bus stops
  + The input boxes must be a search box for the user to input their two locations
  + The result of this search will be in a table below the search box
  + A button to calculate the journey

**Calendar**

* The calendar should outline the events that the person has for that day
  + The corresponding event should have its location and date / time of event