Date: 30th July 2018

Time: 7.30 p.m. – 9.30 p.m.

Student:

1. Ben Ng Chun Hong 28553772
2. Chin Wai Juen 25247468
3. Jazmen Heng Choon Yeak 28720555
4. Tan Goh Yen Sing 28252012
5. Harpreet Kaur 28165799

Topic Discussed:

1. Deciding project team name

* Team Illuminati

1. Decide project title, scope, description
2. Roles allocation
3. Preparation for the presentation
4. Works allocation
5. Communication tools throughout the project

Date: 31st July 2018

Time: 2.00 p.m. – 4.00 p.m.

Student:

1. Ben Ng Chun Hong 28553772
2. Chin Wai Juen 25247468
3. Jazmen Heng Choon Yeak 28720555
4. Tan Goh Yen Sing 28252012
5. Harpreet Kaur 28165799

Topic Discussed:

1. Deciding for the project title

* Flood Aid Application

1. Deciding for the project scope

* Between Water Shortage or Flood
  + Flood
    - Managed to locate a sizeable amount of flood related data from the government website regarding water stations situated within each state in Malaysia
    - Support with reference papers regarding flood prediction methodology that was applied in Kelantan previously which involves an algorithm for predicting flood events based on rainfall and water level data
* Between United States, Australia, Malaysia
  + Perak, Malaysia
    - One of the states where flood often occurs especially during monsoon season

1. Deciding for the project description

* For disaster monitoring, alert and minor preventive measures within the state of Perak in Malaysia.

1. Deciding for the operating system

* Between Android and iOS
  + Android
    - Build a mobile application that is able to provide timely push notifications to users regarding any flood events either through live data alerts as well as provide a predictive flood analysis

1. Product Features

* High: Alert System
  + Acts as notification for the users who download the application, will provide push notifications to users when water level exceeds the danger level
* High: Evacuation System
  + Provide guidance to the nearest safe zones / water stations for users emergency case, routes will be provided via maps
  + Will be available to users at any point of time regardless of emergencies. Allows users to be aware of water station locations and evacuation pathways at all times for preemptive planning
  + Provide push notifications whenever there are updated routes / areas during an emergency
* High: SOS System
  + Allows users to tap a button that will send distress signal and location data to relevant authorities for alert and rescue operations
* Medium: Sharing on Social Media like Twitter, Facebook etc
  + For users to share snapshots / posts regarding flood related news through the application. As social media is still widely used in Malaysia for many types of incidents, this localized feature is considered
* Medium: live feeds data display
  + Existing features such as public live display of water levels in Malaysia, live camera feeds of locations from governmental websites to be accessible from the application. Basically a convenient location to access flood related info in Malaysia
* Low: Hotline provided
  + Provision of all relevant Hotline numbers from various authorities relating to floods.
* Low: SMS provided
  + Flood prediction SMS will be sent through registered phone number

1. Presentation Slide
   1. Introduction (Team Members)
   2. What: Storyline about the project
   3. Why: Got flood + benefits
   4. How: Solution (Functionalities)
   5. Mockups about the application
   6. Q & A session