1. **Overview**

This document will serve as a summary of Lab 1. The summary includes the expected deliverables of the lab, as well as the detailed write-up of the respective deliverables.

1. **Deliverables**

The following defines the deliverables to be submitted to the Lab TA prior to Lab 2:

**2.1 Team formation and team leader assignment**

The team will choose an appropriate team name. The team will also appoint a member of the team as the team leader. The team must fill in the Team Registration Form as instructed by Lab TA.

**2.2** **Documentation of Functional Requirements (FR) and Non-Functional Requirements (NFR)**

The team will proceed to brainstorm a project idea which will serve as guidance for the team project. The team will also formulate the target audience of the project. The team will proceed to liaise with the stakeholdersto elicit FR and NFR. The team will then formulate a documentation which contains the FR and NFR.

The team will use [SRS\_Template.doc](https://ntulearn.ntu.edu.sg/bbcswebdav/pid-3068116-dt-content-rid-27044536_1/xid-27044536_1), under sections *4. System Features* and *5. Other Nonfunctional Requirements* as references for the template.

**2.3 Data Dictionary**

The team will create a data dictionary which includes important terms used throughout the project. The team will ensure that the data dictionary contains attributes of, and the relationship between each term.

**2.4 Use Case Models**

The team will identify certain use cases based off the FR. The team will proceed to depict the use cases using a Use Case Diagram.

The team shall make sure that each use case is accompanied by a use case description. The description will explain the interaction between an end-user and the system to carry out a functionality.

**2.5 User Interface (UI) Mock-ups**

The team will use relevant software tools, or hand-drawn methods (if applicable) produce a mock-up of the project’s preliminary user interface.

1. **Project Ideas**

The following are the proposed project ideas:

* 1. **Carpark availability application**

The web application will provide a heatmap of the carparks around Singapore. The heatmap will depict the number of available parking spots in each carpark.

**3.1.1 Feedbacks**

The complexity of the initial project idea is not sufficient to demonstrate the work of a 5-man project.

* 1. **Taxi availability application**

The web application will provide a heatmap of the live location of all taxi around Singapore.

**3.2.1 Feedbacks**

A web application for taxi hailing may not be appropriate. The team considered that a taxi hailing application should be a mobile application instead

* 1. **COVID-19 cases heatmap**

The web application will provide a heatmap of the live COVID-19 cases within Singapore.

* + 1. **Feedbacks**

The team agrees that the project idea is overused and lacks innovation.

* 1. **Dengue fever heatmap**

The web application will provide a heatmap of the live Dengue fever cases within Singapore.

* + 1. **Feedbacks**

The team agrees that the project idea is overused and lacks innovation.

* 1. **Music recommendation web application**

The web application will allow the user to compile a list of favourite music. The list shall then be used to recommend the user other music of which the system deem the user may be interested in.

* + 1. **Feedbacks**

A web application that allows a user to compile a list of music is redundant, as ordinary music players such as Spotify contains said features. The project idea can retain as a supplementary feature and should be built on top of an alternate project idea.

1. **Team Name**

The following are the proposed team names:

* 1. **FindR**

The name *FindR* mimics the pronunciation of *Finder* and provides a catchy feeling to the customers.

Since there are no alternate suggestions or proposals, the team has unanimously decided to select *4.1 FindR* as the team’s name.

1. **Target Audience**

Based on the selected project idea, the following characteristics shall define the target audience:

1. **Functional Requirements (FR)**

The following are the proposed preliminary FR:

1. **Non-Functional Requirements (NFR)**

The following are the proposed preliminary NFR:

1. **Data Dictionary**