# SDV602 – Milestone Two

## **App Design and Documentation (18 marks) LO 2,3**

### Brief Description

This application is a data reading and exploration application that provides users with current and forecast weather information in a friendly format. This application has three distinct Data Explorer Screens that displays different types of weather information (such as weather, temperature, humidity, wind speed, and different timestamp info, etc.). User can use command or button to navigate between different DESs to check weather information.

### Purpose

This application is designed to enhance the work efficiency of scientists by offering a visible way for data reading and exploration. Scientist can get various types of weather by navigating different DES. It’s worth noting that this program is more helpful for researchers specializing in weather-related research. In summary, this application can assist scientists to make more efficient and accurate decisions.

### Storyboard

|  |
| --- |
| **STORYBOARD 1 –REGISTRATION SCREEN** |
| 1.1  1.2  1.5  1.3  1.4 |
| 1.1 Input box for user to enter their username  1.2 Input box for user to enter their password  1.3 Button for user to open login window  1.4 Text for user to output registration result  1.5 Button for user to register new account |
| **STORYBOARD 2 –LOGIN SCREEN** |
| 2.4  2.3  2.2  2.1 |
| 2.1 Input box for user to enter their username  2.2 Input box for user to enter their password  2.3 Button for user to log in  2.4 Text for user to show login result |
| **STORYBOARD 3 – DES ONE** |
| 3.11  3.3  3.2  3.1  3.10  3.9  3.8  3.7  3.6  3.5  3.4 |
| 3.1 Title for user to distinguish each DES  3.2 Button for user to move to previous DES  3.3 Button for user to move to next DES  3.4 Display area for data source to show chart  3.5 Display area for data source to show brief description  3.6 Display area for user to communicate with each other  3.7 Button for user to set the exist data source for DES  3.8 Button for user to upload external data source file for DES  3.9 Button for user to set different views of chart  3.10 Tool list for user to minimize, open full screen and close application  3.11 Input for user to enter command to navigate different DES |
| **STORYBOARD 4 – DES TWO** |
| 4.11  4.10  4.9  4.8  4.7  4.6  4.5  4.4  4.3  4.2  4.1 |
| 4.1 Title for user to distinguish each DES  4.2 Input for user to navigate different DES  4.3 Button for user to move to previous DES  4.4 Button for user to move to next DES  4.5 Display area for data source to show chart  4.6 Display area for data source to show brief description  4.7 Display area for user to communicate with each other  4.8 Button for user to set the exist data source for DES  4.9 Button for user to upload external data source file for DES  4.10 Button for user to set different views of chart  4.11 Tool list for user to minimize, open full screen and close application |
| **STORYBOARD 5 – DES THREE** |
| 5.11  5.10  5.9  5.8  5.7  5.6  5.5  5.4  5.3  5.2  5.1 |
| 5.1 Title for user to distinguish each DES  5.2 Input for user to navigate different DES  5.3 Button for user to move to previous DES  5.4 Button for user to move to next DES  5.5 Display area for data source to show chart  5.6 Display area for data source to show brief description  5.7 Display area for user to communicate with each other  5.8 Button for user to set the exist data source for DES  5.9 Button for user to upload external data source file for DES  5.10 Button for user to set different views of chart  5.11 Tool list for user to minimize, open full screen and close application |