**Prototype Document**

**[ Data Structure ]**

* From reading the user requirements I have concluded that the only data needed to be collected for the data structure are the following values:

|  |  |  |
| --- | --- | --- |
| The Start Time | The End Time | The Activity |

**[ Database Structure ]**

* The information collected for the Data Structure within the program will be saved in a Firebase database. The stored information will be auto incremented by an id and store the above data for future use in the following format:

|  |  |  |  |
| --- | --- | --- | --- |
| Id (PK) | The Start Time | The End Time | The Activity |

**[ Modules and Interfaces ]**

* The Modules and Interfaces determined to be developed are below:

1. A Time Class to manage time conversions
2. A Interface Class to manage the basic functions of the application
3. A User Interface Class to manage any UI elements
4. A Activity Object to story the user imputed data in OOP fashion