**Design Document for <<Sorry! Plus >>**

Group <MS-3\_1>

Member1 Name: % contribution

Member2 Name: % contribution

Member3 Name: % contribution

Member4 Name: % contribution

PUT THE BLOCK DIAGRAM PICTURE ON THIS PAGE! (Create the picture using pencil or drawIO)

FrontEnd

Module onBindViewHolder (ClanRecyclerViewClass) -

the module inflates each clan item with clan name and level. The following elements are inflated:

* TextView: clanNameLabel
* TextView: clanAvailability (the item is named clanAvailability, however it is used for clan level).

The class SerializableJsonArray -

* This class serializes jSON Arrays. It does so, so json arrays can be transmitted from one activity to another. Even though one can do this with the basic functionality of intents, intents are limited and can only transmit primitive data types. This is why serialization is needed. It is used to transmit files that are not of a primitive type.

The class VolleySingleton -

* This class is used to handle VolleyRequest. VolleyLibrary is a library used in android app development to make communication between frontend and backend easy. It is specifically used to parse JsonArrays which are stored at a backend server. Then this data is decoded and is later displayed on the user’s screen.

PUT THE TABLE RELATIONSHIPS DIAGRAM on this fourth page! (Create the picture using MySQLWorkbench)