ECSE 321
Introduction to Software Engineering

Home Audio System
Deliverable 4
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Instructions for the deliverable: e.g., comments about your implementation, testing approach, or release pipeline; comments about what worked well and what did not work well; comments about how to run your application if this is different than for the Event Registration System

Notes about Model:
- The Location class was added onto the model later on in the project after much of the desktop view and PHP applications were already built. Therefore many methods implement a check to determine if an object is a Room or RoomGroup before performing an action
- The umple files do not include the Comparable interface that was used for sorting due to a complication with the umple compiler. Therefore Comparable was manually implemented in the necessary source files.

Notes about Desktop:
- Much of the integration testing for the desktop and Android controller was done within the unit testing due to the dependencies between the controller methods.

Notes about Android:
- This application has been system tested on the following physical devices:
  - Samsung Galaxy S6 running Android 5.1.1
  - OnePlus 2 running Android 5.1
  - Samsung Galaxy S3 running Android 4.4.2
  - LG G3 running Android 6.0
  - Alcatel Idol 3 running Android 5.0.2
- It has also been system tested on a Genymotion emulator running Android 5.1.1 and Android 6.0
- This application was compiled on Android studio 2.0, if you are using a previous version change the version number in the Project's build.gradle to match your version.
- The new Location class was partially used, however not all controller methods for it could be implemented in time so there are still some checks to determine if an Location is a Room or RoomGroup before performing an action.

Notes about Web:
- The My Music Library shows twice every time the index.php is called. Only once the user selects which sorting method they want, the other disappears. This is a known bug and it happens because we created two separate tables. One that disappears when the Sort by X is selected and vice versa. Javascript tells which to show and which to hide. Even when Sort by Album is set by default, both are still shown. Many attempts were made trying to resolve this issue with no success so far.
- When moving the the project into htdocs, make sure that the folder name is HAS.

Thanks for a great semester!
-Group 05