

## Team #33

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## Milestone 1 - Delivery Phase

### Software design

SRP:

SRP is demonstrated in SimpleSongImporter and SharedPrefsIO.

In order to prevent other classes from having to take on multiple responsibilities, these readers exist to perform solely these responsibilities.

We furthermore note that rather than a single song importer to import songs and setup data from SharedPrefs, we have two separate importers, one to import songs and one to import previously stored data in order to prevent violation of the SRP.

DRY:

DRY is demonstrated in the usage of the CurrentParameters class.

We need to use the parameters of Location, Current Time of Day, Current Day frequently, and rather than checking for these in FlashbackMode as well as the UI, and whenever a song is played, we instead update them in a single location and poll as needed.

Another example is the Player class, which allows multiple other classes (Album, FlashbackOrderGenerator, Song) to cause music to be played, while ensuring that the nitty-gritty code needed to deal with the media player does not have to be repeated in each instance.

## **Testing**

JUnit testing was used for all Unit Testing, and manual testing was performed for all user story testing (as allowed for this milestone).

Example:

Testing for FlashbackMusic score comparators using JUnit:

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-33/blob/master/flashbackmusic/app/src/test/java/com/android/flashbackmusic/FlashbackTest.java>

## **Zenhub**

1. Zenhub link:  
<https://app.zenhub.com/workspace/o/cse-110-winter-2018/cse-110-team-project-team-33/boards?repos=119212369>
2. Burndown Chart link:  
<https://app.zenhub.com/workspace/o/cse-110-winter-2018/cse-110-team-project-team-33/reports?report=burndown&milestoneId=3079591&showPRs=false>

## **Github**

1. Contribution chart link:  
<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-33/graphs/contributors>  
Note: Contribution chart fails to accurately consider commits made on all branches, and shows two members as not having contributed. The full list of commits is more accurate:  
<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-33/commits/master>
2. Final Code link:  
[https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-33/tree/milestone1\\_delivery](https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-33/tree/milestone1_delivery)