

Team # 12

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Milestone 1 - Delivery Phase

Software design

Team project repository on Github:

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12>

Examples of SRP & DRY:

SRP: since our app is a media player with 3 different modes, we create 3 different media player activity classes that represent each mode, MediaPlayerActivity represents the “PLAY SONG” mode; MediaPlayer2Activity represents the “PLAY ALBUM” mode; MediaPlayer3Activity represents the “PLAY FLASHBACK” mode. Even though the layout of each media player is similar, their backend functionalities are totally different. So it is good to separate them into 3 classes, and each of them only cares about each mode functionality.

Links:

MediaPlayerActivity:

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/main/java/com/andriod/flashback_music_ui/MediaPlayerActivity.java#L43

MediaPlayer2Activity:

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/main/java/com/andriod/flashback_music_ui/MediaPlayer2Activity.java#L33

MediaPlayer3Activity:

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/main/java/com/andriod/flashback_music_ui/MediaPlayer3Activity.java#L30

DRY: inside MediaPlayer2Activity and MediaPlayer3Activity, we implement a “next” button so that we can iteratively play songs in the album list or flashback list. In order for our code not to be redundant, we separate “load media” and “launch next song” (i.e. loadMedia() and launchSong()) part out because we will repeatedly create and destroy media player, and also repeatedly fetch next song data, store current data back to next song, so it would be easier for us to have methods specifically for these two functionalities, so that our code doesn’t repeat itself.

Links:

MediaPlayer2Activity.loadMedia():

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/main/java/com/andriod/flashback_music_ui/MediaPlayer2Activity.java#L251

MediaPlayer2Activity.launchSong():

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/main/java/com/andriod/flashback_music_ui/MediaPlayer2Activity.java#L79

Testing

Link(s) to all the JUnit and/or Espresso tests and logs of untestable non-trivial methods.

SpotsPlayedTests:

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/androidTest/java/SpotPlayedTests/ConstructorTest.java#L17>

AllSpotsTests:

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/androidTest/java/allSpotsTests/constructorTest.java#L19>

Espresso tests added: main menu, album list, and splash activity UI:

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/androidTest/java/com/andriod/flashback_music/ui/ExampleInstrumentedTest.java#L18

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/androidTest/java/com/andriod/flashback_music/ui/MainMenuTest.java#L32

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/androidTest/java/com/andriod/flashback_music/ui/PlayAlbumListTest.java#L34

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/androidTest/java/com/andriod/flashback_music/ui/SplashActivityTest.java#L31

SongTests:

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/androidTest/java/songTests/JUnitFlashbackScore.java#L15>

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/androidTest/java/songTests/JUnitMoreRecentPlayed.java#L15>

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/androidTest/java/songTests/JUnitTestAddress.java#L13>

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/androidTest/java/songTests/JUnitTestConstructor1.java#L22>

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/androidTest/java/songTests/JUnitTestConstructor2.java#L16>

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/androidTest/java/songTests/JUnitTestLastplayed.java#L15>

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/androidTest/java/songTests/JUnitUpdateAll.java#L17>

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/blob/2985796ab70ad0ba943265308cf1213f415ccbd9/app/src/androidTest/java/songTests/JUnitUpdateSeparate.java#L17>

ZenHub

Zenhub Board Link:

<https://app.zenhub.com/workspace/o/cse-110-winter-2018/cse-110-team-project-team-12/boards?repos=119228487>

Burndown Chart Links:

Iteration 1:

<https://app.zenhub.com/workspace/o/cse-110-winter-2018/cse-110-team-project-team-12/reports?report=burndown&milestoneId=3076568&showPRs=false>

Iteration 2:

<https://app.zenhub.com/workspace/o/cse-110-winter-2018/cse-110-team-project-team-12/reports?report=burndown&milestoneId=3076579&showPRs=false>

GitHub

GitHub Contributors Link:

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/graphs/contributors>

Milestone1_Delivery Link to Github:

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-12/tree/milestone1_delivery