

Team #<20>

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Milestone 1 - Delivery Phase

Software design

Repository Link:

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/tree/milestone1_delivery

3 Example Methods (DRY):

```
public void showDateAndTime(Song song){
    if(song.getMostRecentDateTime() != null){
        dateTimeView.setText(song.getMostRecentDateTimeString());
    }
    else{
        dateTimeView.setText("No Last Current Time and Date are available");
    }
}

/**
 * Method to show location text view
 * @param song
 */
public void showCurrentLocation(Song song){
    if(song.getMostRecentLocation() != null){
        locationView.setText(song.getMostRecentLocationString());
    }
    else{
        locationView.setText("No Last Current location is available");
    }
}

/**
 * Method to store current date and time in the song
 * @param song
 */
public void storeDateAndTime(Song song){
    SimpleDateFormat dateFormatter = new SimpleDateFormat("kk:mm:ss dd MMM yyyy");
    String dateAndTime = dateFormatter.format(new Date());
    song.setMostRecentDateTime(new Date());
    song.setMostRecentDateTimeString(dateAndTime);
    Calendar calendar = Calendar.getInstance();
    int hour = calendar.get(Calendar.HOUR_OF_DAY);
    hour = convertToMNEIndex(hour);
    if(!song.getTimeHistory().contains(hour)){
        song.addTimeHistory(hour);
    }
    int day = calendar.get(Calendar.DAY_OF_WEEK);
    if(!song.getDayHistory().contains(day)){
        song.addDayHistory(day);
    }
}
```

With usage of

```
//update title, location, time view
setNowPlayingView(songTitleList.get(currentindex));
showCurrentLocation(songListObj.get(currentindex));
showDateAndTime(songListObj.get(currentindex));
storeDateAndTime(songListObj.get(currentindex));
try {
    storeLocation(songListObj.get(currentindex));
} catch (IOException e) {
    e.printStackTrace();
}
```

Example of SRP:

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/milestone1_delivery/app/src/main/java/team20/flashbackmusic/Song.java

Testing

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

Something like this:

https://github.com/CSE-110-Winter-2018/Default-Repository/blob/milestone1_delivery/MyApplication/app/src/main/java/com/andriod/helloworld/MainActivity.java#L23-L27

Notice how specific line numbers in the concerned source code file have been mentioned in the URL above.

JUnit test for sorter() function in Playlist_flashback class

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/milestone1_delivery/app/src/androidTest/java/team20/flashbackmusic/test_flashback.java

JUnit test for score() function in Score class

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/milestone1_delivery/app/src/androidTest/java/team20/flashbackmusic/testforscore.java

JUnit for Song class

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/milestone1_delivery/app/src/androidTest/java/team20/flashbackmusic/SongClassTest.java

JUnit for Album Class

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/milestone1_delivery/app/src/androidTest/java/team20/flashbackmusic/AlbumClassTest.java

JUnit test for getting address

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/milestone1_delivery/app/src/androidTest/java/team20/flashbackmusic/GetAddressTest.java

Espresso for play album

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/milestone1_delivery/app/src/androidTest/java/team20/flashbackmusic/PlayAlbumEspressoTest.java

Espresso

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/milestone1_delivery/app/src/androidTest/java/team20/flashbackmusic/PlayPauseBackForwardNormalModeEspresso.java

Non-trivial methods links:

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/milestone1_delivery/app/src/main/java/team20/flashbackmusic/MainActivity.java#L187-L233

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/milestone1_delivery/app/src/main/java/team20/flashbackmusic/MainActivity.java#L414-L463

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/milestone1_delivery/app/src/main/java/team20/flashbackmusic/MainActivity.java#L467-L482

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/milestone1_delivery/app/src/main/java/team20/flashbackmusic/MainActivity.java#L486-L509

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/milestone1_delivery/app/src/main/java/team20/flashbackmusic/MainActivity.java#L518-L551

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/milestone1_delivery/app/src/main/java/team20/flashbackmusic/MainActivity.java#L555-L585

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/4594c118b147e9d47c985345a14c68a147cc1b57/app/src/main/java/team20/flashbackmusic/MainActivity.java#L596-L634>

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/4594c118b147e9d47c985345a14c68a147cc1b57/app/src/main/java/team20/flashbackmusic/MainActivity.java#L640-L661>

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/4594c118b147e9d47c985345a14c68a147cc1b57/app/src/main/java/team20/flashbackmusic/MainActivity.java#L706-L765>

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/4594c118b147e9d47c985345a14c68a147cc1b57/app/src/main/java/team20/flashbackmusic/MainActivity.java#L847-L876>

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/4594c118b147e9d47c985345a14c68a147cc1b57/app/src/main/java/team20/flashbackmusic/MainActivity.java#L883-L969>

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/blob/4594c118b147e9d47c985345a14c68a147cc1b57/app/src/main/java/team20/flashbackmusic/MainActivity.java#L975-L1035>

ZenHub

1. Zenhub Board Link:

<https://app.zenhub.com/workspace/o/cse-110-winter-2018/cse-110-team-project-team-20/boards?repos=119332515>

2. Burndown Chart Link:

<https://app.zenhub.com/workspace/o/cse-110-winter-2018/cse-110-team-project-team-20/reports?report=burndown&milestoneId=3076847&showPRs=false>

GitHub

1.

We have several branches for our contribution and in the chart it is not showing all contributions, so we came up with branch link just in case:

Note:

We did pair-programming (Christhoper-Darell, Alan-Muyun, Alice-Ibtehal)

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/branches>

<https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/graphs/contributors>

2.

milestone1_delivery link:

https://github.com/CSE-110-Winter-2018/cse-110-team-project-team-20/tree/milestone1_delivery