Versioning repository: <https://github.com/vkalokyri/BeatMyRun>

**Login, Personal Information, Run Use case**

* **Program Code Writing by:** Rahul Shome, Valia Kalokyri
  + Google + login GUI, Personal Info GUI, Run page GUI (plus Youtube Player)
  + Authenticate user with Google + API
  + Retrieve user’s personal google information
  + Authenticate user with his Youtube channels
  + Retrieve his/her liked songs and/or history watch
  + Connection to android SDK sensor manager (for getting user steps)
  + Implementation of Youtube player API
  + Implementation of a Runnable timer
  + User flow of connecting timer events, sensor event and youtube player events
  + Calculation of BPM based on the user’s steps
  + Created API developer account for Echonest API and tested via http requests on the browser (not on the app right now)
  + Merging all the components together
* **Debugging:**
  + by using computer’s android emulator(NEXUS 5, API 23)
  + and android phone (MOTO X 2013)
* **Project management**:
  + opening accounts on public websites for the project-> Google +API, YouTube API, Echonest API
  + organizing meetings
  + coordinating activities
  + installing and maintaining the developer’s resources (github version control, Android Studio IDE)
  + combining all of the contributions into the correct files and formats

**Create, Edit, View, Resolve Challenge Use case**

* **Program Coding Writing by:** Careena Braganza and Nirali Vinit Shah
  + Activities : DBHandler, ChallengeRepo, ChallengeMain, ChallengeDetail, ChallengeActivity
  + Central database schema
  + Implementation of SQLite Database to be used for Challenge Computations using SQLiteOpenHelper package (Challenge Relation)
  + CRUD operations for challenges
  + Dynamic GUI with all the list of challenge elements populated from the database
  + Mathematical computation for finding the winner of a challenge
* **Debugging:**
  + by using computer’s android emulator(NEXUS 5, API 22)
  + merging the module with the others and solving the errors
* **Project management**:
  + Program Documentation
  + organizing meetings
  + coordinating activities
  + installing and maintaining the developer’s resources (github version control, Android Studio IDE)
  + combining all of the contributions into the correct files and formats

**Statistics Use case**

* **Program Coding Writing by:** Nivetha Balasamy and Thara Philipson
  + Implementation of GUI for monthly and weekly statistics for:
    - distance
    - calories
    - duration of runs
  + StatActivity, StatGraphActivity GUI
  + Defining data series, view layout spacing and combining view and renderer for Chart visualization
  + Dynamic runtime data visualization library aChartEngine was integrated and interfaced with the android application
* **Debugging**
  + using Android emulator , Nexus 5, API 23
  + Integrating with android phone and adjusting the view.
* Presentation slides
* **Project management**:
  + organizing meetings
  + coordinating activities
  + installing and maintaining the developer’s resources (github version control, Android Studio IDE)