Login in test:
In this unit, a Login program is used to test the login interface. The user need to type in the username and password which are stored in the txt file. If the username password were not match with the txt file, the user cannot login.

Interface test:
In our previous reports, we planned Interface design a part of all milestones of the project. We believed Interface must evolve with use-cases and reflect their functionality dynamically. Our envision about interface was right and we first designed every user screen to reflect the requirements of the functionality that screen serves for. After completion of the individual stages, we decided to reform our user interface for the sake of uniformity across screens and simplicity. For this reason, our heart rate screen, sleep pattern screen and suggestion screens are really similar to each other.

Interfacing Heart Rate test:
Heart rate monitoring is the uttermost important piece of the our program. Obviously our program wouldn't have even the half of its functionality without it. If we cannot get the heart rate data from MotoActv we wouldn't be able to show heart rate data, create sleep patterns from heart rate data and compare it with the sleep patterns from MyZeo. Because of this priority, importing MotoActv is planned as one of the first milestones. Thanks to our hard work, reality conformed with our plans and we were able to finish Heart rate import tool first. Our tool is even better than our expectations, with a single click we download from the MotoActv's website seemlessly. On the other hand, downloading user heart rates from database takes a while.

Database Structure test:
In our project planning, we also accepted database design as a fundamental module since it serves to all other modules. Therefore we assumed that it needs to be implemented first to serve other blocks. When we are developing our project, we saw our assumption about database was actually wrong. Database design require a good understanding of the data that we are going to use which is something that we don't have in the early beginning of our project. We observed we gain more information about data as we develop our project and database also needs to be evolve as the project. As a consequence, database design improved in every part of the project although we planned it as 4 week design stage

Algorithm test:
We tried to stick our schedules as much as we can in terms of Algorithm Design, test and debugging. For the most of the project we were really successful in that sense. After we realized, matching ratio of sleep patterns from MotoActv and MyZeo is really low, we decided to try different algorithms and techniques. This unexpected event led to longer Algorithm design and test stages.

Codes in "code\matlab" folder can be used to do the integration test.