# Tools and test equipment required

To perform in a reliable way the integration testing are needed the following set of testing tools and testing environment.

To perform the integration testing at subcomponent level (ex. Integration of the components in the Account Manager component) we are going to use the integration framework of Mockito. We made this choice because this tool offers the possibility to implement the stubs and the drivers needed for the testing. We are going to use Mockito also in the integration testing of the mobile clients.

To perform the integration testing at component level (ex. Integration of Zone Manager with Ride Manager) we are going to use the Arquillan framework. This due to the fact that we have several runtime unit that are going to run in different software containers inside the same virtual machine and this framework provides the tools to test software containers integration.

We take in consideration manual testing to test the integration between the web client and the other components of the system.

The testing environment consists in a virtual machine for the application logic and another one for the DBMS running both Ubuntu Server 14.04 LTS. Concerning the client side are needed a mobile terminal running Android 6.0.1, another mobile terminal running iOS 9.2 and a desktop PC running Google Chrome.

# Program stubs, drivers and test data