MC2 project Test Plan

On the MC2 project Load and Stress test is required. For the test Apache Jmeter tool will be used.

The Test will consist of simple user scenarios which will be scaled to the required number of parallel virtual users. During the test some important parameters of the server will be monitored in order to determine if the server corresponds for the applications needs. During the analysis of test result also the bottlenecks (users actions with slow performance) of the applications can be determined.

Initially performance relevant test scenarios have to be created with Jmeter and test if they run correctly for a single user. Later every test case will be scaled to more parallel users.

1. **Test Cases – User test scenarios**
2. **User Registration**
   1. Enter homepage
   2. Go to register page
   3. Set e-mail address
   4. Set password
   5. Add firstname and lastname
3. **User Log in/ Log out**
   1. Enter home page
   2. Log In
   3. Logout
4. **View User Profile**
   1. Log On
   2. Download/View profile photo
   3. Get Age
   4. Get Name
   5. Get e-mail address
   6. Get Location
   7. Get Level
   8. View points (Love-, Money-, Glory-Points)
   9. View achievements list
   10. Get Compeleted MA list
   11. View selected achiements
5. **Edit User Profile**
   1. Upload new Profile photo
   2. Edit age
   3. Edit name
   4. Edit e-mail address
   5. Change pwd?
   6. Change Location
6. **Microaction**
   1. Log On
   2. Subscribe to a MA
   3. Unsubscribe to a MA
   4. Complete a Microaction
   5. Get Love points on the MA
   6. View who’s completed the MA
   7. Post comment
   8. View Comments
   9. Log Off
7. **Complete a Microactions**
   1. Log On
   2. Subscribe to a MA or Get My Mas list
   3. Tap Objective button
   4. ??? Do the corresponding actions (upload photo, share Geo Loc, Share on FB/Twitter, visit URL)
   5. Log Off
8. **View Completed Microactions**
   1. Log On
   2. View a microactions
   3. Get List of users completed the microation
   4. Flag a photo
   5. Flag a comment
   6. Give Lovepoints
   7. Add new comments
9. **Quest Actions**
   1. Log On
   2. Get Quest list
   3. View a Quest (Get list of microactions)
   4. Love a quest
   5. Get Love points on the quest
   6. Post comment
   7. View Comments
   8. Log Off
10. **Measured/Monitored parameters**

CPU usage, Memory usage, Network usage ….. etc.