## Requirements Elicitation:

## Functional Requirements

In Software Engineering, functional requirements define the scope and working of system components in a way that is feasible for both client and the team developing it. It differs software to software.

**FR – 01 User Sign Up:**

|  |  |
| --- | --- |
| FR 01 – 01 | User enters his/her Full name |
| FR 01 – 02 | User enters his/her username |
| FR 01 – 03 | User enters password (must contain alpha-numeric and special characters and should be at least six characters long) |
| FR 01 – 04 | User confirms his/her password |
| FR 01 – 05 | User accepts Terms and conditions checkbox |
| FR 01 – 06 | User clicks on the signup button |
| FR 01 – 07 | Error is displayed in-case of any failed step |
| FR 01 – 08 | User can also signup with their Google account |

**FR – 02 User Log in:**

|  |  |
| --- | --- |
| FR 02 – 01 | User enters his/her Full name |
| FR 02 – 02 | User confirms his/her password |
| FR 02 – 03 | User accepts Terms and conditions checkbox |
| FR 02 – 04 | User clicks on the log in button |
| FR 02 – 05 | Error is displayed in-case of any failed step |
| FR 02 – 06 | User can also sign in with their Google account |

**FR – 03 Forget Password:**

|  |  |
| --- | --- |
| FR 03 – 01 | User enters his/her Email |
| FR 03 – 02 | User gives the verification code he’d received through email |
| FR 03 – 03 | User enters new password |
| FR 03 – 04 | User confirms the new password |
| FR 03 – 05 | User clicks the reset password button |
| FR 03 – 06 | Error is displayed in-case of any failed step |

**FR – 04 User Log Out:**

|  |  |
| --- | --- |
| FR 04 – 01 | User clicks on sign out button |
| FR 04 – 02 | He/ She is redirected to login page |

**FR – 05 User Profile:**

|  |  |
| --- | --- |
| FR 05 – 01 | User goes to profile page |
| FR 05 – 02 | He/ She can update his personal information |
| FR 05 – 03 | User can delete his/her profile permanently (warning will be generated and extra verification step will be given) |
| FR 05 – 04 | In-case of account deletion , all of his data from database will be deleted and will be redirected to log in page afterword’s. |

**FR – 06 Searching / Get Recommendations:**

|  |  |
| --- | --- |
| FR 06 – 01 | User gives the requirements. |
| FR 06 – 02 | User applies the filter |
| FR 06 – 03 | User clicks the search button |

**FR – 07 View Places Profiles:**

|  |  |
| --- | --- |
| FR 07 – 01 | User enters place he/she wants to see profile of |
| FR 07 -02 | User clicks the view profile button |
| FR 07 – 03 | Place Profile will be displayed like location, rating and top comments etc. |
| FR 07 – 04 | User can gives his feedback by clicking on the give feedback button |
| FR 07 – 05 | User will give a place its rating ,comment and the required information |
| FR 07 – 06 | User feedback will be added . |
| FR 07 – 07 | Error is displayed in-case of any failed step |

## Non Functional Requirements

On the other hand, non-functional requirements describe how system should behave. In short context, it represents the quality or attributes of the system. These requirements cover up all the left-overs from the functional requirements.

**NFR – 01 Transportability / Compatibility:**

|  |  |
| --- | --- |
| NFR 01 – 01 | Systems android and web app should be compatible with all the desktops and native devices respectively. |
| NFR 01 – 02 | System shouldn’t undergo any major changes when sifting to any other Operating System |
| NFR 01 - 03 | Both apps should be consistent and generalize throughout |

**NFR – 02 Performance:**

|  |  |
| --- | --- |
| NFR 02 – 01 | Performance of the system must be good |
| NFR 02 – 02 | System’s quick response will outline its performance irresponsive of the mass interacting with him. |

**NFR – 03 Secure:**

|  |  |
| --- | --- |
| NFR 03 – 01 | The system must be secure so do the database which has primary role in system functioning properly |
| NFR 03 – 02 | System Database should be on a secure cloud platform. |
| NFR 03 - 03 | System should ensure both data integrity and user privacy |
| NFR 03 - 04 | The system should maintain correct as well as consistent information which will help to generate good recommendations. |

**NFR – 04 Reliability:**

|  |  |
| --- | --- |
| NFR 04 – 01 | System should only respond to correct and valid feedbacks and ignore the fake ones. |
| NFR 04 – 02 | System can also block the fake user permanently |

**NFR – 05 Usability / User Friendly:**

|  |  |
| --- | --- |
| NFR 05 – 01 | System must present a formal documentation  / tutorial in the form of pop-ups for newbies. |
| NFR 05 – 02 | The system should only focused on what is primary / important for the user and don’t focus on what would put the user in any type of mess or confusion |
| NFR 05 - 03 | Web Application should be information orientated while native app should be task orientated. |

**NFR – 06 Maintainability:**

|  |  |
| --- | --- |
| NFR 06 – 01 | The system should be maintained properly. Whenever there is a problem, it must be fixed as soon as possible. |
| NFR 06 – 02 | Moreover, the system must be timely updated according to the needs of the user |