

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Functional Requirements:

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|--------|-------------------------------|---|
| FR-1 | User Registration | Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Google Auth |
| FR-3 | User Login | User login with username and password Login with Gmail |
| FR-4 | User Interface | User goes through the filtered news provided by application |
| FR-5 | User Account Settings | User can update account credentials, update interests and choices of news and report any issues |

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|-------|------------------|---|
| NFR-1 | Usability | <p>The application is easily navigable, it has an interface which is user-friendly. The login/register page has simple terms which can be filled by a user who has not done it before. The user interface navigates the user to the Home page and asks for interests.</p> <p>The settings can be quickly accessed by the user by going to the account settings, where the credentials and interests can be changed anytime.</p> |
|-------|------------------|---|

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

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|-------|---------------------|--|
| NFR-2 | Security | The application uses Google OAuth 2.0 / Auth0 for User authentication. |
| NFR-3 | Reliability | The application should be able to perform without failure in 95 percent of all use cases during a month since the IBM cloud doesn't face down time so often. |
| NFR-4 | Performance | The application's news feed page has a loading time of 6 seconds. |
| NFR-5 | Availability | The application must be available to the users at least 99% of the time in a month. |
| NFR-6 | Scalability | The application should be able to handle upto 10,000 users at a time considering the cloud factors. |