

## Non-functional Requirements

### 1. Product Requirements

- a. **Usability Requirement** — All tutorials or help pages within the application will be no more than five steps. A simple tutorial will be available to the user on initial startup and in the help menu. Training time for the application should be no more than ten minutes.
- b. **Efficiency Requirements**
  - i. **Performance Requirement** — The application should have a minimal impact on the performance of the device it is running on. The difference between performing a set of tasks with the application running and performing the same tasks without the application running should be no more than 3%.
  - ii. **Space Requirement** — The application download size should not exceed 50 MBs.
- c. **Dependability Requirement** — The application shall succeed in retrieving the proper app usage data for 99.99% of user-initiated requests. The database server shall fulfill 99.99% of requests.
- d. **Security Requirement** — User passwords shall be stored in the database only after it is passed through a secure hashing function. All database requests shall be conducted over HTTPS.

### 2. Organizational Requirements

- a. **Environmental Requirement** — The application shall run on devices running one of the following operating systems: iOS 13 or higher; or Android 10 or higher.
- b. **Operational Requirement** — The application shall be updated with every major release of the supported operating systems described above.
- c. **Development Requirement** — The application shall be developed for cross-platform mobile devices using the Dart programming language and Flutter UI development kit.

### 3. External Requirements

- a. **Regulatory Requirement** — A user may request for all screen time data and account information to be deleted at any time. This requirement is in compliance with the European Union's General Data Protection Regulation.
- b. **Ethical Requirement** — No screen time data or personal information will be given to third parties of any kind. If data is to be sold to third parties in the future, explicit permission from the user is required to share their screen time data with external sources. No personal information of any kind will ever be shared with external third parties.
- c. **Legislative Requirements**
  - i. **Accounting Requirement** — The total cost of development and maintenance for our app should not exceed \$50,000 per year.
  - ii. **Safety/Security Requirement** — The application shall provide an accessible link to the company's privacy policy outlining what information is gathered, how it is shared with other parties, and how users can review and delete data. This requirement is in compliance with the California Online Privacy Protection Act of 2003.