**3.0 FUNCTIONAL REQUIREMENTS**

**3.1 Users**

* The users should comment and rate the applications that they had downloaded.
* Users should add applications into their wish list.
* Users can have different payment methods to buy a paid application.
* Users should inform the system about any error they faced and those errors must be solved by a support person on the system.
* Users should see their favourite applications respect to their statistics about applications they have.
* Users can search for applications by their names or find them from categories.
* Each user should personalize their account by the changing preferences on their settings

**3.2 Editors**

* Editors can determine the popular and suggested apps
* Editors can give information about suggested apps.
* Editors should approve or deny the requested that come from developers to publish a new app or an update.

**3.3 Developers**

* The users can apply for developer account in order to uploading new apps.
* Developers should send a request to editors in order to upload a new application or an update.
* Developers can determine cost for its applications.

**3.4 System**

* There should be a frame for each category in the application market.
* The system should check the age of users to show appropriate category.
* The system should keep all the devices that a single user has so that the user can use the application from different devices.
* The system should hide the applications from users that cannot fulfil the system requirement.
* The system should check the comments to determine convenience of the comment before publishing

**3.4 Settings**

* Settings of each users must be kept in the system for each device a user has.
* Settings must be adjusted by users and those changes must be saved.
* There must be option for auto or manual updating in settings.
* There can be an option for downloading apps only by WIFI or enable to download with cellular data.

**4.0 NON-FUNCTIONAL REQUIREMENTS**

PRIVACY:

* User’s application usage information and owned apps should not be seen by another user.
* Personal information and user activities can only be seen by the system administrators.

RELIABILITY:

* The system should be always active for usage and download.
* The user password should have at least 7 characters and at most 16 characters. Characters should have at least 1 upper-case character and at least one number.

SECURITY:

* All applications in the system should have ensure that they have verified certificate.
* Malicious applications should not be in the application market.

MAINTABILITY:

* The system should keep all applications up to date.

PERFORMANCE:

* Each data query in the database should be take less than 1.2 second.
* The system should provide 100 concurrent downloads from different users.

LEGAL:

* The system should provide terms of service and privacy policy for signing up.
* There should be determined age restriction for each application in the application market.
* Users should have at lest 7 years old to sign up for and the system should secure that.

INTERFACE:

* The system should give detailed information and update information about each application to the user.

USABILITY:

* Even the new users can easily adapt the system and use functionalities of the system without any prior knowledge about the system.
* System should have help section that answers to the frequently asked questions.