**Chapter 2**

Overall Description

**2.1 User Classes and Characteristics**

The software will be mainly focused onto the user, user will be able to use the software with or without signing in. The admins job is preliminary straight forward, they can update the scripts when ever the newspapers upgrade their style format and due to the security issues the admins won’t be able to access the data of the users. Users will be able to use the voice search command to search for their desired news and listen or read it as they want.

**2.2 User Needs**

* Provides news from different trusted newspaper sources.
* Users can listen to any news.
* Users can search news using their voices.
* Users can check the source of the news.
* Users can visit the official link of the news if they want.
* Users can stop and switch to any other news.

**2.3 Operating Environments**

The operating environment of **Bengali Newspaper** is listed as follows:

* Distributed Database
* Client/Server System
* Operating System: Any system that supports a modern web browser
* Database Configuration: SQLite3
* Platform: Any Platfrom

**2.4 Constraints**

* There might be an issue with the newspaper website as they block scraping crawler mistakenly.
* The system shall be available for 99.99% of the time.
* The Software is fully web crawling dependent.

**2.5 Assumptions**

* User must reliable internet connection.
* User knows how to operate web application
* User will use the software from a noise free environment.