**Functional Requirements**

**Select City**

The user will select the city they wish to travel to or find out the condition of the said city.

**Fetch News Headlines**

From the selected city by the user, this software will fetch RSS feeds from popular news websites and store them into a database.

**Gather Data on a Daily, Weekly Monthly Basis**

The data collected from the different news websites will be sorted daily, weekly, and monthly.

**News Category Prediction**

The news gathered will be analyzed and based on an already stored dataset this software can predict the news category.

**Sentimental Analysis**

From the various news articles collected sentimental analysis will be done and the article will get scores based on positive negative and averages.

**Rate City**

From the analysis of all the articles from the selected city that city will get a rating which will help the user to decide whether to travel to that city or not.

**External Interface Requirements**

**User Interface**

Requirement of a system with an active internet connection. Also, the latest versions of Google Chrome or any other web browser is also necessary.

**Software Interfaces**

Python and MySQL

**Non-Functional requirements**

**Usability**

There is consistency in all the modules and web pages. To ease the navigation there is a back tab to

provide access to the previous page. There is proper instruction on each page.

**Reliability**

Each data record is stored on a well-built efficient database schema. There is no risk of data loss. The internal evaluation of data is well coded.

**Supportability**

The system is well built to support any machine. Maintainability of the system is easy.

**Performance**

In order to ease the performance, the news articles are categorized. The throughput of the system is increased due to lightweight database support.

**Availability**

The system is available all the time, with no time constraints.