ID: 1000054229
Name: Robin Richard Arulanantham

IN721
Chosen Topic: What's Happening There

This project aims to provide hot news based on a) the location given by user (i.e., destination of the user) or b) current GPS location of user's smart phone or c) location selected by the user on Google Maps. It uses several web services to get news for the given location and process the resulting data and displays to the user in a well categorised and organised view. The user can then choose a category to read the articles. The detailed description of user requirements is provided below.

Functionality number and name	Functionality Description
1. User inputs the location	The **user** shall provide one of the three different inputs (destination of travel, current location or map coordinates). The three types of inputs that could be given by the user are described below. 1. The user is able to type in the destination of travel in a textbox. 2. The user is able to get the current location (GPS coordinates) by pressing a button. 3. The user is able to click on Google Maps to identify a location.
2. User searches for news	Upon entering the inputs, the **user** shall click on a search button which identifies the news articles from that location.
3. Search functionality	The **system** will then use the location provided by the user and then make calls to the news feed Web Services. The following web service feeds that will be used are given below. These are three samples. I am planning to use data from at least five sources. https://newsapi.org/v2/top-headlines?country=us&apiKey=a048511a57234f54b6a64d47661252d8 http://webhose.io/filterWebContent?token=e0e6ebc0-a667-4c53-a019-d3c4937d4a7e&format=json&sort=crawled&q=language%3Aenglish%20thread.country%3AUS https://content.guardianapis.com/search?q=%22chennai%22&tag=politics/politics&from-date=2014-01-01&api-key=4b64e8d2-debe-42eb-b112-ba4b4b2723e8
4. Result processing	The **system** shall process the results of web services and group similar news into appropriate categories (e.g. politics, weather and sports).
5. Display results	The results from the above module will be displayed in an organised view. The **user** can choose a particular category and read more about it using the *read more option*.

Required on-board hardware:

GPS

Wireframes: