Canadian Daily UV Index Forecast
"UV Today"

HongGeun Park
hgpark@myseneca.ca

1. Executive summary of proposed app.

Since twentieth century, how we perceive sunlight has changed. Even though it is essential in our lives, we also cannot ignore the downside. "UV Today" will help the people who use this application to get accurate UV index at a specific area. Although there are other methods to find this data, this application will provide accurate information anywhere and anytime. This will be a simple application that will allow users to search or go through a list to find a location, and then get results from a database. Main users of this application would be females in their twenties and thirties due to their need to keep away from strong sunlight. As such, this application will allow its users benefit of acquiring accurate UV index and receive proper advice fast and easy.

2. Explanation why a mobile app is a good choice for this project.

With advancement of technology, smart phones has been essential part of our lives for about ten years. What we have learned anything about the weather through TV, radio, newspaper are still viable, but using smart phone app is a more easier and convenient way to find out about UV index. First, you do not need to be in front of a TV or a radio. There is no limit to where you can find the information you need when using a smart phone application. Secondly, you can only get information about UV index in your area or wherever you are interested in. This means you do not have to watch TV for ten minutes just to find one thing. Lastly, you do not have to find where to get the information. No more flipping channels, looking for right frequency or pages, but only a tap on your smart phone can get you what you need. In conclusion, this application will be a good choice to find out about UV index in an area in a more efficient manner.

3. Brief list of basic app features.

The basic features of this application are:
- A method to allow user to search for location
- A screen that will display the data user wants
- A simple advice on the UV index (i.e telling the user to put on sun block cream or hydrate)
- A simple information about UV and its index

4. Summary of expected users/market for this app.

As the purpose of this application is to inform the users on UV index, I presume many users would be female in their twenties and thirties, and also anyone who would be working or doing outdoor activities. The majority of users would probably be female, considering the fact that they are more interested in their appearances, and sun rays are something they would like to avoid if possible. It is the case where they are raising young children and need to be kept in check so that they do not get harmed by strong sunlight. The similar case goes for anyone who works or trains outdoors except they will be exposed for prolonged period of time since it is their job (i.e construction workers, athletes). As studies show, continuous exposure to UV lights are harmful to your body, and can lead to death. In all honesty, this application can be useful to everyone regardless of age or gender.

5. Descriptions of most common use-cases anticipated.

One of most common use-case will be a thirty year old mother and a seven year old child who are going out to a playground at 10AM. Whenever they are properly clothed for outdoors, mother checks this application to see UV index in her area. She sees UV index of 7, and it is advised to wear sun protective clothing, use SPF 30+ sunscreen, wear a hat, reduce time in the sun for 3 hours, and wear sunglasses. Then she applies SPF 30 sun screen on herself and to her child, and both finds a hat to wear. They are back within two hours, and are not burned or tanned.

6. Mock-ups of views of your proposed app, preferably screenshots.
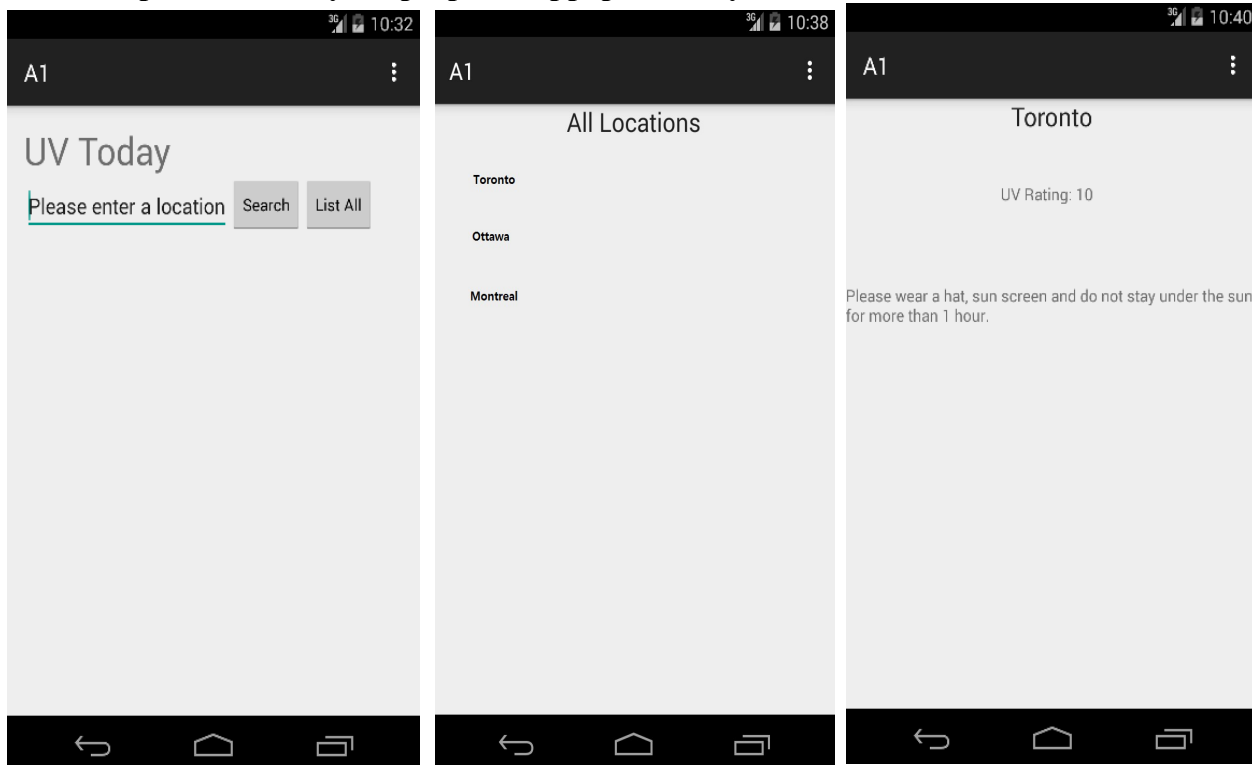
7. Timeline for implementation
- August 2 – Basic layout and templates to be finished
- August 8 – Parsing from database and shown in listview to be done
- August 10 – Should be able to show data for a location on a screen
- August 13 – Should allow search to work