

# PROJECT PROPOSAL

*ONLINE SERVICE FOR FASHION BASED ON CURRENT LOCATION WEATHER*



**Course Name : CSE 327**

**Section : 4**

**Faculty : ABH3**

**Group Members :**

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**GITHUB LINK :** [https://github.com/riffAt2013/CSE327\\_SEC4\\_WEATHER\\_WEBAPP/](https://github.com/riffAt2013/CSE327_SEC4_WEATHER_WEBAPP/)

**URL SHORTENED :** <https://bit.ly/2OSquED>

## INTRODUCTION

Accurate weather predictions are important for planning our day to day activities. We face a lot of problems in our daily life because of a bad or unexpected weather conditions. One of such is what to wear for a certain day. This can be a lot of struggle for even a good weather condition as our busy minds always like to keep messing up choices. What if there is a system which will not only inform you about current weather with simple visualization but also gives you suggestions/recommendations of clothing based on it and it lets you to buy various kinds of clothing according to your need.

Our software/web-app helps you to make more informed daily decisions based on the weather information of your current location. You can also buy clothes suggested by the system in an e-commerce based solution.

## OBJECTIVES

- Dressing what-to for the busy people according to the weather
- Alternative dresses for any weather
- Dress buying from various shops
- Can be used as Weather web-app
- Recommendation of dresses for future dates and their weather condition

## APPLICATION FEATURES

- Beautiful UI and visualizations
- Recommendation of dresses for any kind of weather based on location
- Map visualization of location via API
- Alternate dresses for specific weather
- User profile creation and personalization
- Database support
- Sample dresses can be bought through the site
- Specific date based recommendation of dresses (up to 7 days from current)
- Feedback System
- Responsive web pages
- Online transactions

## TOOLS AND DEPENDENCIES

### FOR BACKEND :

- ◆ Python Programming Language
- ◆ Flask Microframework
  - Werkzeug for WSGI (interface for application and servers)
  - Jinja2 for templating language
  - Markupsafe for Jinja2 encryption
  - ItsDangerous
  - Click
- ◆ SQLite3/MySQL for database

#### **FOR FRONTEND :**

- ◆ HTML/CSS for skeleton and styling the UI
- ◆ Bootstrap front-end framework
- ◆ JQuery
- ◆ JavaScript

#### **APIs:**

- ◆ OpenWeather Maps API
- ◆ Online Shopping API (ebay/amazon etc)

## **STAKEHOLDERS**

- General Public
- Fashion Enthusiast
- Web Developers
- IT staff
- Retailers
- Delivery Staffs

## PROJECT TIMEFRAME

<b>Weeks</b>	<b>Task</b>	<b>Completion Date</b>
1	User Interview + Requirements Finalization = SRS	24/10/2019
2	Frontend Design	31/10/2019
3	Backend Design 1	07/11/2019
4	Backend Design 2 + Unit Testing	14/11/2019
5	Feature Update 1 + Unit Testing	21/11/2019
6	Feature Update 2 + Unit Testing	28/11/2019
7	System Testing + Deployment + Show-Case	5/12/2019