**FUNCTIONAL REQUIREMENTS**

The system must permit users to input their area code, then leverage a location service to validate and determine the corresponding geographic area name. The system will display this location confirmation to the user within X seconds of area code entry.

The system must exhibit real-time weather conditions, which include temperature (displayed in both °C and °F), relative humidity (expressed in %), wind speed (presented in both km/h and mph), and precipitation levels (indicated in mm or inches). This information will be sourced from a reputable weather data provider that aggregates information from global weather satellites and other reliable meteorological sources.

The system must be able to provide and refresh a comprehensive 7-day weather forecast every X hours. This forecast will detail daily high and low temperatures, the probability of precipitation, and a brief overview of anticipated weather conditions, all of which will be sourced from the weather data provider.

The system must monitor severe weather alerts issued by official meteorological authorities and display a prominent banner at the top of the user interface when alerts are relevant to the user's specified location. The alert shall be displayed within X minutes of the official announcement and include the type of severe weather, its expected time of arrival, and recommended safety actions.

The system must be able to provide clothing and accessory recommendations based on the weather forecast for the user's specified area code location, considering temperature, precipitation, and wind conditions.

**NONFUNCTIONAL REQUIREMENTS**

The system must maintain a responsive user interface that adapts to various screen resolutions without manual adjustment by the user.