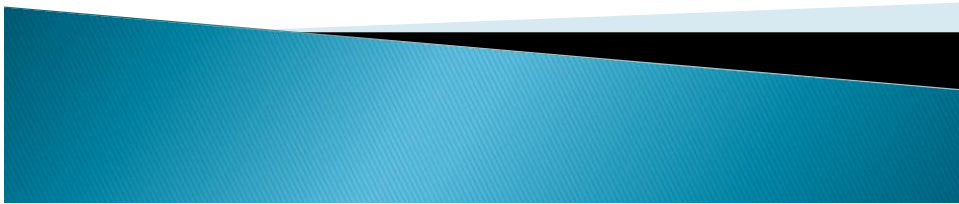


Weather Notification System app for 3G Smartphone

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Project Overview:

- ▶ Weather notification system app is used to display the current weather conditions as well as it alerts user with location-specific weather warnings.
- ▶ When severe weather such as tornados, lightning, flooding, hurricanes, and snowstorms threaten to strike users area, system sends alerts to user by email, text or by call.
- ▶ This system uses the data provided by the National weather system and Emergency Alert System (E.A.S.) for notification and for displaying the current weather conditions.



Requirements/Features of the system:

- System should ask user for his/her current location.
- System should display current weather conditions such as temp, humidity, dew point, visibility, pressure, sunrise, sunset
- System should display weather forecast for 24 hours, 2 days, 10 days, 1 month
- System should display severe weather conditions such as tornados, lightning, flooding, hurricanes, and snowstorms.
- System should notify weather alters to the subscribed users.
- User should be able to share weather conditions with his/her family and friends by email, Facebook post or by sending text.
- System should notify the user in case of natural calamities.



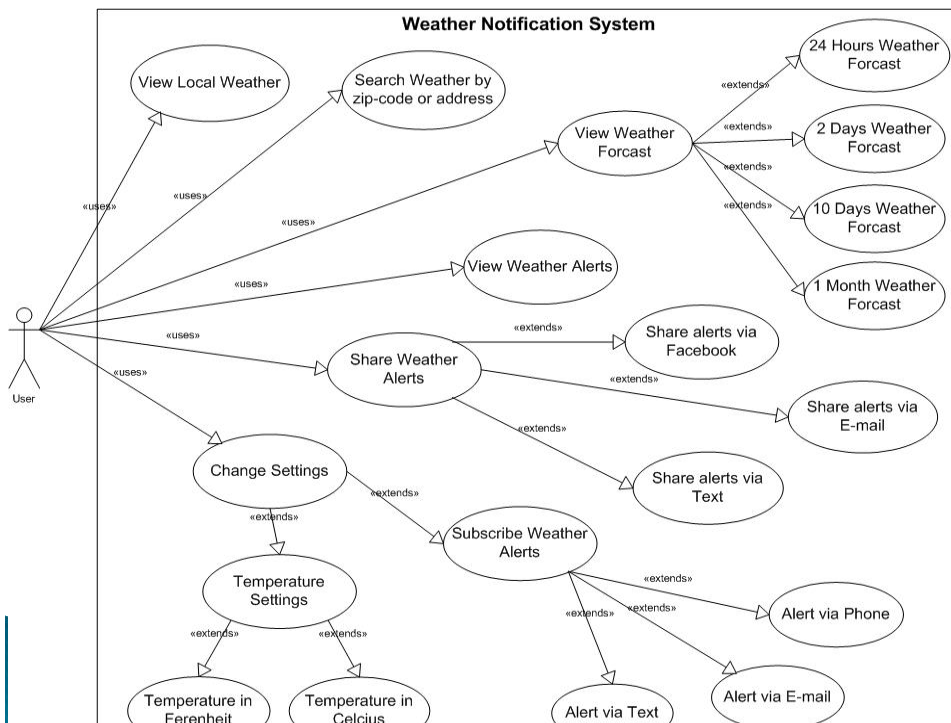
Actor's description:

- **Primary Actor:**
User
- **Supporting Actor:**
 1. Emergency Alert System (E.A.S.)
 2. National Weather Service
 3. Text service providers, Facebook, Email Service provider
 4. Geo spacious system
- **Off Stage Actor:**
Weather Stations



Use Case

1. Search location by providing zip-code or street address
2. View current weather conditions
3. View weather forecast
4. View severe weather alters
5. Share weather alters
6. Change temperature setting
7. Subscribe for weather notification alters.
8. Unsubscribe form weather notification alters



Use Case Description

1. Search location by providing zip-code or street address

- ▶ User starts the application
- ▶ User can give input at top box either zip-code OR street address.
- ▶ User can then get weather details about that location

2. View current weather conditions

- ▶ User starts the application
- ▶ User gives input at top box either zip-code OR street address
- ▶ Now user will get the weather conditions from their current location



Use Case Description

3. View weather forecast

- ▶ User starts the application
- ▶ User gives input at top box either zip-code OR street address
- ▶ Now user can choose to see the 24 hour weather forecast or 2 days forecast or 10 days or 1 month forecast

4. View severe weather alters

- ▶ User starts the application
- ▶ User gives input at top box either zip-code OR street address
- ▶ Go to sever weather alters
- ▶ Now user can choose to see severe weather alters



Use Case Description

5. Share weather alters

- ▶ User starts the application
- ▶ User has an option to share current weather information by email, text or via Facebook post

6. Change temperature setting

- ▶ User starts the application
- ▶ Go to change setting
- ▶ User has an option to change the temperature setting from Fahrenheit to Celsius



Use Case Description

7. Subscribe for weather notification alters.

- ▶ User starts the application
- ▶ Go to change settings
- ▶ Now user can subscribe to get severe weather alters via email, text or call

8. Unsubscribe form weather notification alters:

- ▶ User starts the application
- ▶ Go to change settings
- ▶ Now user can unsubscribe from getting severe weather alters



Thank you!

