

Android CP310 - Homework 314

Description

Create a weather application.

Use Cases

1. User starts the application and the current weather for Seattle, Washington is displayed.
2. The User can input another zip code and the weather for that zip code is displayed.
3. In addition to text information, a graphic showing the current weather status for the selected zip code is displayed.
4. In addition to the current weather, a forecast for the next 3 days is given.
5. All temperature readouts are in both Celsius and Fahrenheit.

Requirements

- The application must be an Android launcher application using API level 10 or higher
- The launcher application displays both a textual and graphical representation of the current weather for Seattle, Washington. The representation should clearly convey both the current conditions (Sunny, Overcast, etc.) and the temperature in Celsius and Fahrenheit.
- The application reloads the weather information every time it is shown by the user.
- Name the application "Homework 314" and name your project "Homework 314 {YOUR_UW_NET_ID}".

Points

There are a maximum of 60 points for this homework.

Requirement Points (20 points)

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| 0 points | You didn't try. |
| 10 points | The application doesn't work – but you tried. |
| 20 points | The application works and fulfills all the requirements. |

Feature Points (30 points)

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|-----------|---|
| 10 points | The User is prompted for a city or zip code and the weather displayed is for the selected location. |
| 10 points | The application uses graphics to represent the current weather conditions. |
| 10 points | A forecast of at least the next 3 days is also displayed to the User with the expected condition and (at a minimum) the high temperature in Celsius and Fahrenheit. |

Discretion Points (10 points)

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| 0-5 points | Clean, consistent code (You may have applied a style formatter) |
| 0-5 points | Useful documentation (From a few key inline notes all the way to JavaDoc quality documentation) |

Delivery

Turn in a URL to your Git Repository containing this assignment.

See the course portal for full instructions on how to package and deliver your homework.

Versions

- 1 Initial version.
- 2 Updated Delivery instructions to use Git.