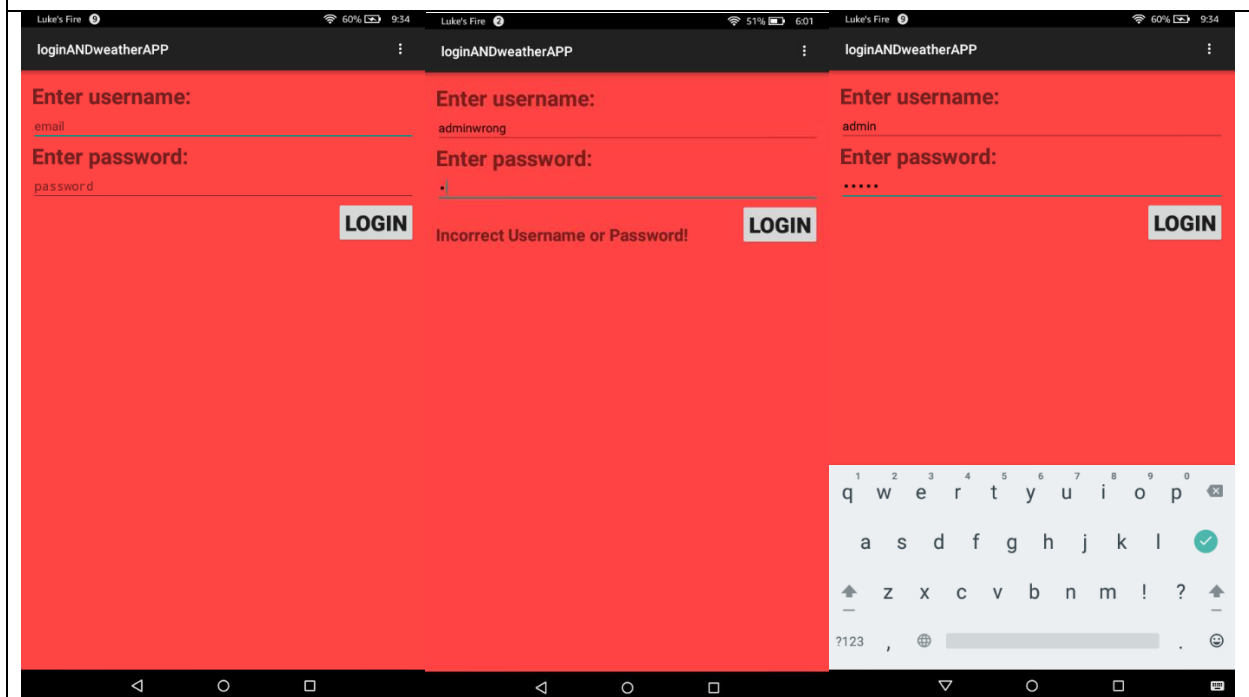


Lab 2 Report

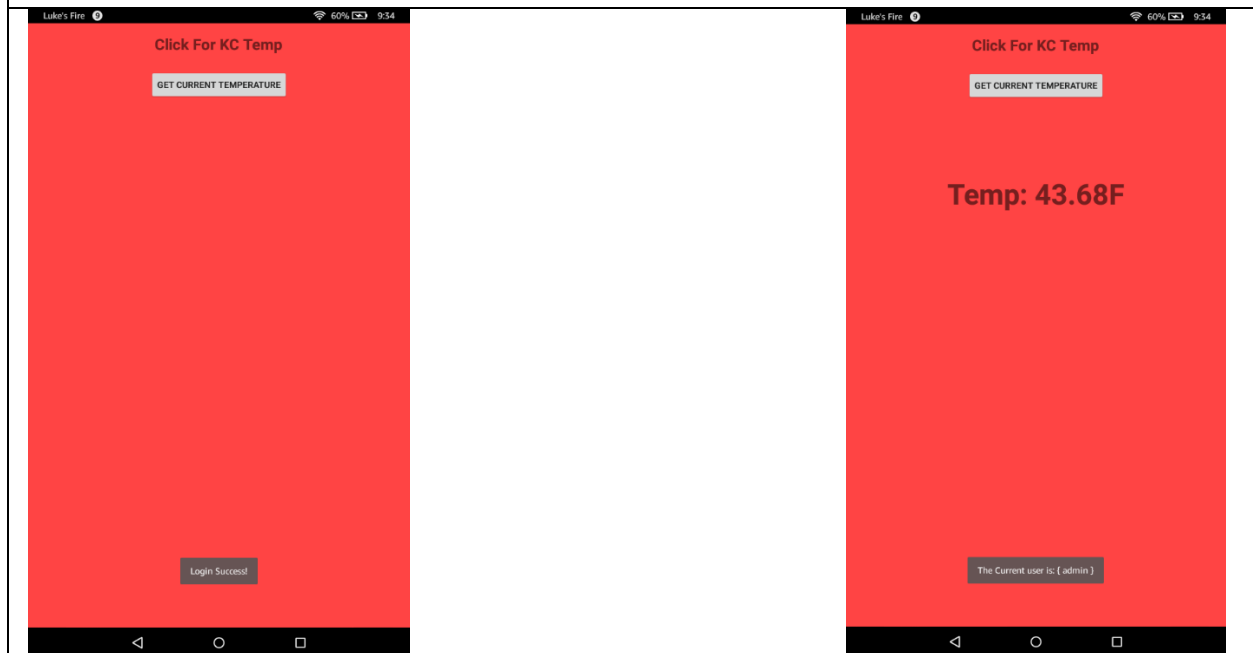
Luke McDuff

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- For this app I created a simple login. The user enters a username and password and hits the login button. This triggers the onClick method associated with "Login" button which checks that the strings entered match a predefined combination of "Admin" "admin". If the entered information matches a new intent is created and the user names information is passed as a string to the new activity. If the information entered does not match, a textView is made visible that informs the user the login is incorrect.



- When the user enters the correct information the new activity starts. They are presented with a basic screen with a single button “Get Current Temperature.” Clicking this button triggers the onClick method which makes an API call to The Dark Sky Forecast API, which provides API users with a range of available weather information. The information passed to the API by this app includes the longitude and latitude for Kansas City as well a registered API key which was provided by registering with the API. The API returns a lot of information but only the current temperature is retrieved from the API return. Also, when the user gets the current temperature the username string passed to the new activity is displayed at the bottom in a Toast message.



- This lab was a good refresher in the Android Framework. I have made a number of Android applications for other courses so much of it was familiar. If I were to truly implement this app, I would use Google or Facebook login API for better security as the security currently implemented for the login is very weak. I have used API's for web development, but not for Android which I enjoyed learning about. I also enjoyed getting to learn about passing information between activities which I did not know how to do prior.

References

- <https://developer.forecast.io/>
- <http://developer.android.com/guide/index.html>