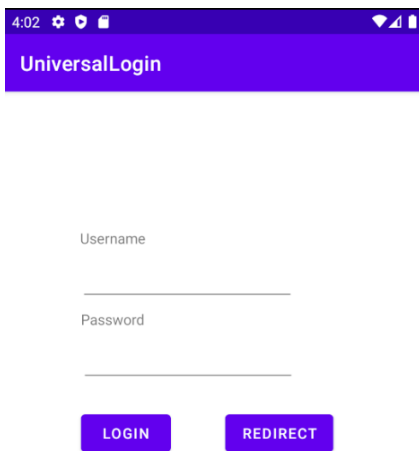


Mobile Authentication Portal App

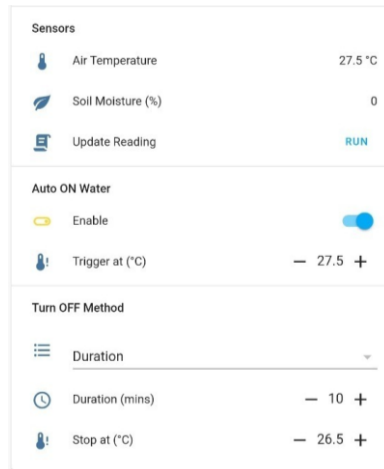
By: Josh Velarde, Jiaming Guan, Keegan Seto

Advisor: Minjie Hu

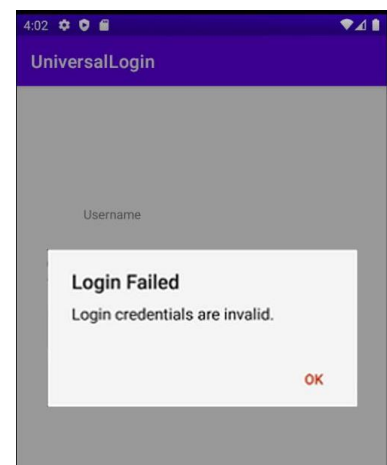
Client: Iwan Tjhin



The application main login page



Proposed values seen upon a successful login



Invalid Login

INTRODUCTION

The focus of this project is to develop an Android mobile phone application.

The system will be used to introduce a factor of automation into agriculture-based jobs for farmers located in Borneo. Borneo farmers have harsher environment conditions due to increased humidity and temperature. The client is working to produce a system to provide the farmers with better living conditions. The objective of this project is to develop an app intended to act as a front-end interface to the client's IoT system.

DEVELOPMENT

The project had a few setbacks due to skill sets not entirely meeting the skills required for the project. For this reason, the team had to set aside time to learn the skills through the Mobile Application Development course for several weeks.

The application was developed to the point where credentials can be accepted and verified, and upon successful login, the application will redirect the user to the client's IoT system page where they are intended to see information and tools.

One specification was only partially met as a fix for an issue related to an API token could not be found.

The testing phase still went ahead to test what was working within the current build of the application.

CONCLUSION

The final step to have the system display the utility functions met with an issue with API tokens and despite the team's best efforts to find a fix for the problem it was not found in the time allowed.

In further iterations of the project the team were confident that another project team could spend the necessary time on the API tokens to resolve the issue of information not displaying as intended.