



Arduino-App User Stories

Arduino-Application

The following user stories are written. To describe the various functionality problems, we may face and how best to plan and prepare for such events, the main issue will be to prevent user dissatisfaction by ensuring that our phone application is as reliable and easy to use as possible.

Profiles-Login

- As a user of the application, I want to set up my account quickly with minimal hassle and I don't want to provide too much data to the application.
- As a user of the application, I would like to log into my account without having to remember so long and complicated password that I can easily forget.
- As a user of the application, I do not want any personal details to remain stored unless necessary and even then, deleted when no longer needed.
- As an administrator of the application, I do not want to have too much data to store due to the limited space found on the Arduino and mobile phones.
- As an administrator of the application, security for the user's accounts must be strong to prevent hacking and loss of property due to failure of the device to work.

Non-Functional Requirements

- As a user of the application, I want to be able to use the application on as many versions and types of android as possible to save on cost of upgrading and reliability.
- As a user of the application, I want to be able to reference to manual if needed to better help me understand what to do with the application, or better yet a tutorial.
- As a user of the application, I want to be able to easily understand what button does what in a way does the means I do not need to guess what button does what.

Arduino

- As a user of the application, I want to have an easy time at installing the Arduino hardware to my house without the need for any complicated problems that may arise as I may not be tech savvy.
- As a user of application, I want to have the device installed in a place where there might not be easy access to mains supply, therefore a battery would be needed.
- As a user of the application, I want to be able to transport the Arduino to different houses and buildings regular so I must be compact and easy to move in a timely and non-complicated manner.
- As a user of the application, I want to be able to replace the Arduino cost effectively and not pay large amounts or replacements.
- As a user of the application, I would like the Arduino to be customizable based on my needs if possible.

Application

- As a user of the application, I would like to use the device in multiple houses and be able to switch between the controls of these houses at my leisure and need.
- As a user of the application, I would like to be able to control my locks with a simple open and close button to make it easy to use.
- As a user of the application, I would like to control the air temperature within my house and be able to also monitor it from the application.
- As a user of the application, I would like to be able to detect intruders into my house and then get the option to call the police if needed.