

# Androitroller



**PROVIDING A CUSTOMIZABLE CONTROLLER  
EXPERIENCE TO ANDROID OWNERS.**

**- MILESTONE THREE -**

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# Milestone 3 Goals: Customization Upgrade



- **Allow users to move buttons**

Moveable buttons will enhance customization options and allow users to create an interface mimicking existing controllers

- **Allow users to upload custom background**

The ability to upload a custom background will enable users to overlay translucent buttons atop it and simulate an existing controller

# Progress this Week



**Modifiable Background** – Background of application can now be changed to an image in the user's gallery.

**Moveable Buttons**– Buttons can now be moved as desired by user with the exception of function buttons.

# Current State of the Project



- *Androitroller* is capable of all basic functionality
- Custom graphics created and implemented
- Additional Customization options are now present
  - User can upload a custom background
  - User can modify location of buttons on screen

# Milestone 4 Goals: Testing and Documentation



- **Additional Customization Options**  
Exclude undesired buttons.
- **Exhaustive testing**  
Ensure program operates effectively on multiple devices.
- **Review Documentation**  
Ensure documentation is present and understandable.
- **Create Project Document and Video**  
Create document outlining use and limitations of application with images.  
Create video for application.

# Problems Encountered and Solutions



- **Strange, Black Rectangles on Translucent Image Resources**
  - Strange black rectangles appeared between function keys on devices, not emulator.
  - **Solution:**

The black rectangles were actually spacers for a linear layout that didn't render correctly.

Removal of the spacers solved the issue.

# Persisting Problems



- Function keys are not yet moveable
  - The Linear Layout used is providing some difficulty when moving function keys.
  - The implementation of moveable function keys may require a different layout scheme.

We will tack this on to Work Package #4 as it is a desirable feature.