Androitroller

PROVIDING A CUSTOMIZABLE CONTROLLER EXPERIENCE TO ANDROID OWNERS.

- MILESTONE TWO -

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Milestone 2 Goals: Visual Upgrade

- ## Determine Required Graphic Items and Coordinate their Creation

  Determined need for icon, and two custom button sets.

- ## Creation of Graphic Items

  Icon and button sets created.

- ## Implementation of New, Custom Graphics

  Graphic items fully implemented into existing project.

Progress this Week

Icon – As part of the graphics 'overhaul' *Androitroller* has a new, custom icon.

Progress this Week

Custom Button Sets – As part of the graphics 'overhaul' *Androitroller* has a two new button sets.

A default set:

A tranlucent set:

Current State of the Project

- *Androitroller* is capable of all basic functionality
  - Ability to define custom key mappings
  - Ability to create multiple, custom configurations
  - Ability to interact with the PC via server

- Custom graphics created and implemented
  - Icon and default button set enhance look-and-feel
  - Translucent button set will allow users to upload custom background and overlay buttons

Problems Encountered and Solutions

- ## Inclusion of mdpi, hdpi, xhdpi, xxhdpi resources
  - Graphics must be included in various sizes to keep graphics crisp or adjust graphics for various resolutions.
  - **Solution**:

    mdpi = 1.0 x mdpi

    hdpi = 1.5 x mdpi

    xhdpi = 2.0 x mdpi

    xxhdpi = 3.0 x mdpi

- ## Naming Conventions with Graphics
  - Improperly named graphics can lead to visual errors
  - **Solution**:

    Graphics should have consistent, lowercase naming conventions.

Persisting Problems

- Strange, Black Rectangles on Translucent Image Resources
  - Occurs only on physical test device, not emulator
  - Could be device-specific or possibly have something to do with memory and poorly-handled image translucency

  This issue requires further testing.

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