Smart (Google) Android Photo Frame with Wireless Connectivity (AO1a-10)

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Introduction
With the prevalence of digital photos in today's society there is a demand for digital photo frames. Our project uses the Android operating system that creates a user friendly interface for users to browse and interact with their photos.

Aim and Objectives
Our aim is to enhance the users experience of using the photo frame by including new features such as slide show functions with transition animations and photo editing tools.

Methodology

**Gallery**
Users will be able to view their images in both thumbnail and cover flow views.

**Slide Show**
Before the starting the slide show users can choose the settings of the slide show such as transition effects, time display and slide show duration.

**Editing**
Variety of tools such as filters and cropping can be done within the application.

Software and Hardware Development

**Hardware Development**
- Decide which version of android would be used
- Port the Android OS onto Devkit8000
- Test compatibility with peripherals such as webcam and Wi-Fi

**Software Development**
- Decide new features to include into the application
- Create a gallery that will display images from the SD card
- Create user interface for the application
- Create slide show animations
- Create filters and cropping function

**System Integration**
- Test the application with the Devkit8000
- Debugging the application on Devkit8000

Deliverables

**Gallery with cover flow**

**Edit images: cropping and filtering**

**Frame mode**

**Slide Show**
Time interval, transition animation, time display, background music and which images display can be altered in slide show settings