Interactive Telecommunications IMD412
Week 3 Assignment 1
Application User Task Flow Document and Wireframes
Mark Sambrook

i3D

Summary

The i3D application is a 3D photographic imaging tool for the iPhone, that creates
3D digital photographs. In accordance to the iOS Human Interface Guidelines, the
application is launched in its supported orientation (landscape), this view supports
superior depth for 3D imagery, and is more acceptable when viewed on both
television screens and computer monitors. The i3D is a purely internet image device
for viewing 3D media. Though prints can be made from images, they will appear as
2D prints on standard paper from standard printing devices.

Function

With its linear navigational function, the user moves forward through the 3D image
production process that ensures perfect exposures in high dynamic resolution with
3 dimensional depth. The camera's "Instruction" screen allows the user to read
through the camera manual (viewed online in PDF format), or view quick tips and
suggestions. The camera function takes the user directly to the camera screen,
where navigational icons are kept to a basic minimum for minimum disruption on
the camera's view. With the applications automatic focus sensors for all three layers,
the camera controls are its aperture for greater depth of field control, its shutter
speed, which will adjust to the aperture, and a steady cam control to prevent
possible camera shake. When the user is satisfied with the camera's setting, the user
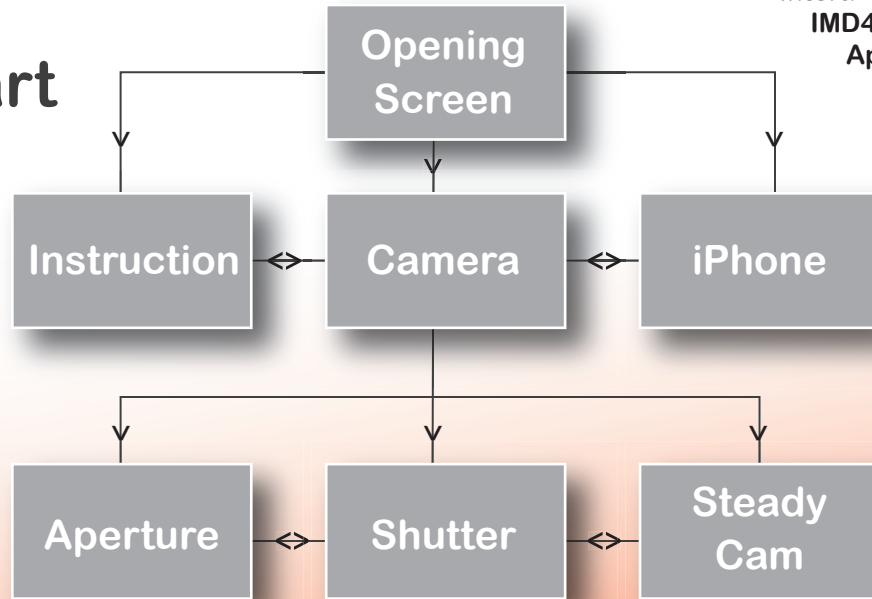is then free to take the picture.

During the applications exposure, the focus sensors automatically adjust the view into the three layers which will include a foreground, mid ground, and background. These are the basis for the 3D imagery. When the exposure is complete, the image can either be saved (see note in this paragraph) or is transferred to the editing function, where the user will have the opportunity to independently adjust each layers highlights, shadows, and saturation, which together procreate the depth and perspective that make-up the 3D effect. Once the image is completed, it can be saved to the iCloud, and copies sent through email, and/or to users social media accounts. When the whole process is complete, the camera is ready to take its next 3D image, or return to the iPhones home screen. Note: If the user chooses, they can save the image directly after exposure and edit it at a later time, or go directly to the editing function for further image manipulation.

The next page shows the application user task flow document (flow chart), followed by wireframes of the applications basic screens from the opening screen to the save and send screen.
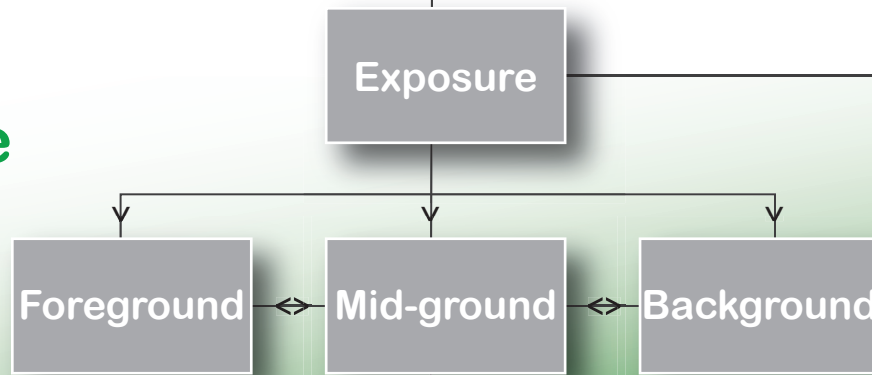
i3D
Flow Chart

Opening Screen

Instruction — Camera — iPhone

Camera Function

Aperture — Shutter — Steady Cam

Exposure

Exposure Control

Foreground — Mid-ground — Background

Edit

Editing Function

High Lights — Shadows — Saturation

Save

Save & Send

Email — iCloud — Social Media
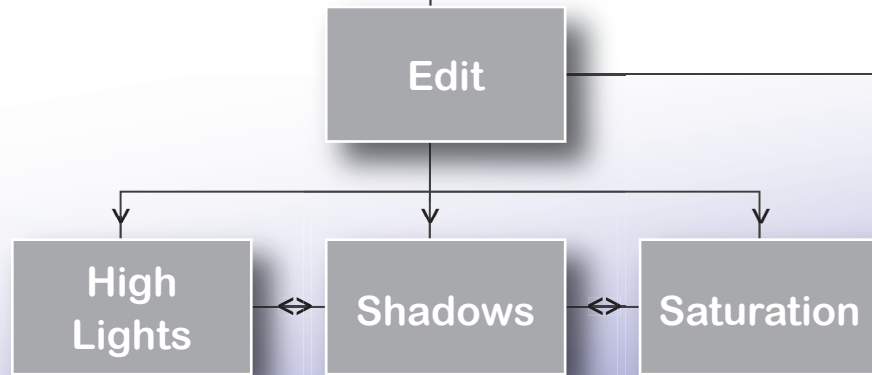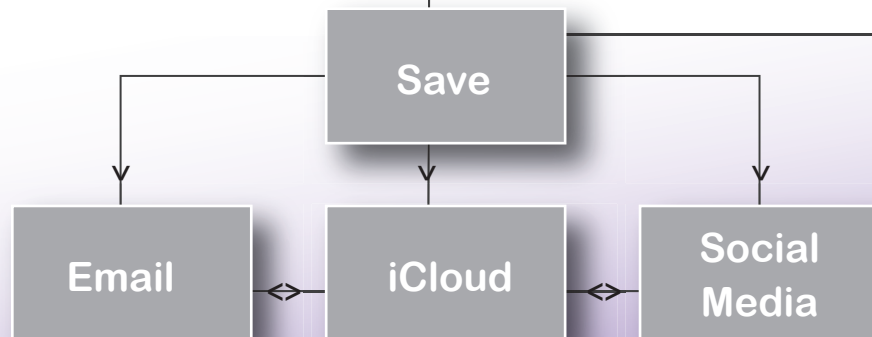
i3D Wireframes:

i3D opening screen, logo launched in supported orientation "landscape view." Lower navigation bar remains in same position when rotated, however button icons rotate to supported orientation. All other i3D app controls and functions operate in landscape view

100%

i3D

I

C

H

100%

i3D

I

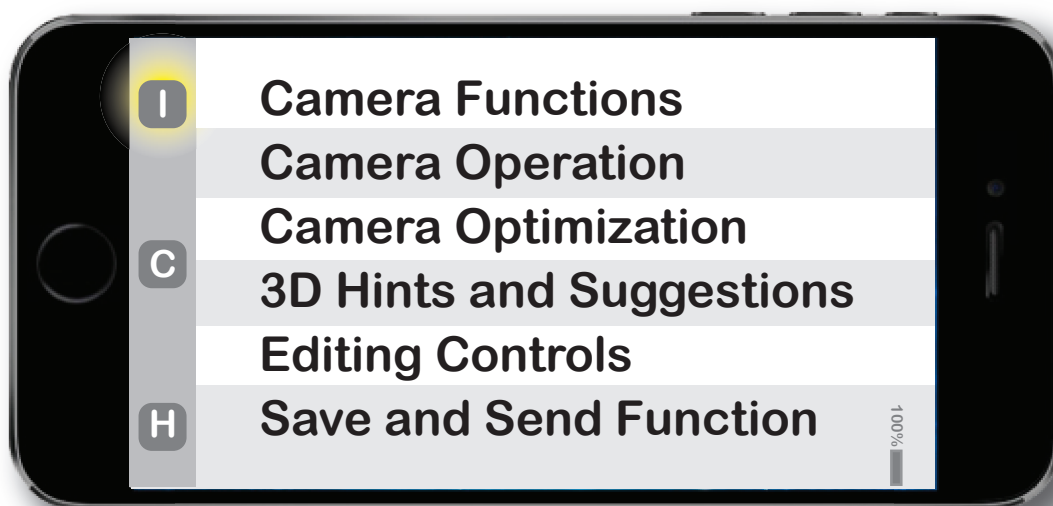C

H

Instructions   Camera   iPhone

Lower horizontal navigation bar rotates to right-sided vertical bar when used in i3D app camera position
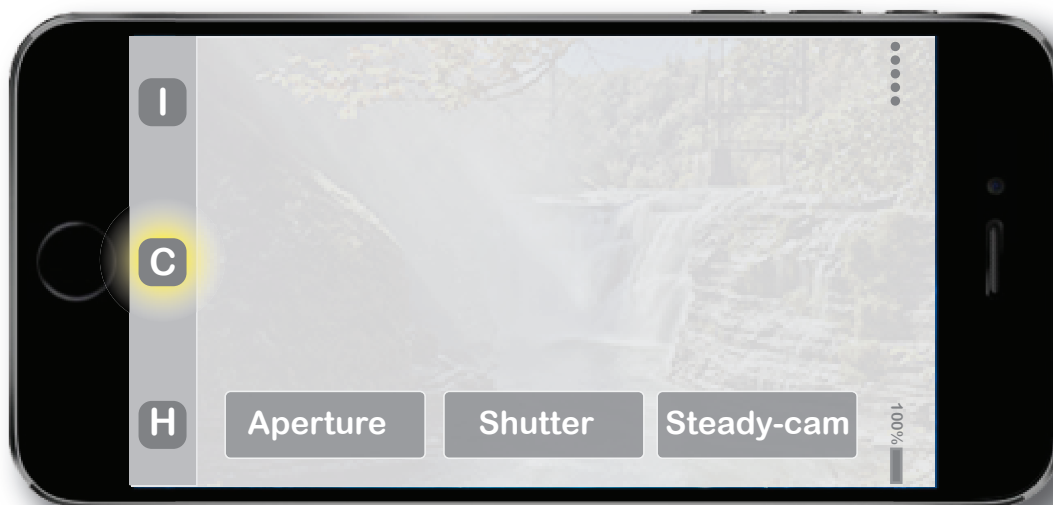
Home, Instruction, and Camera Screen

i3D

Home screen: Tap once for opening screen, twice for iPhone screen.

Camera Functions
Camera Operation
Camera Optimization
3D Hints and Suggestions
Editing Controls
Save and Send Function

Instruction Screen: Layerd information and hints on camera operation.

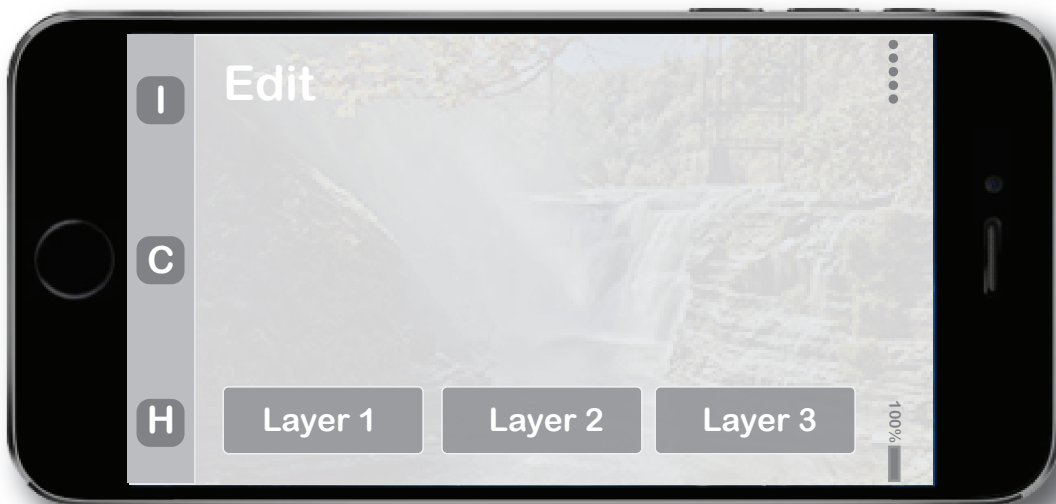Aperture   Shutter   Steady-cam

Camera Screen: Tap buttons for overlay controls of camera functions.

Exposure, Edit, Save, and Send

Exposure function: Compose scene and tap screen camera button.

Edit

| Layer 1 | Layer 2 | Layer 3 |

Edit Screen: Edit controls for each layer, tap layer to open controls.

Save

| Save | Email | SocialMedia |
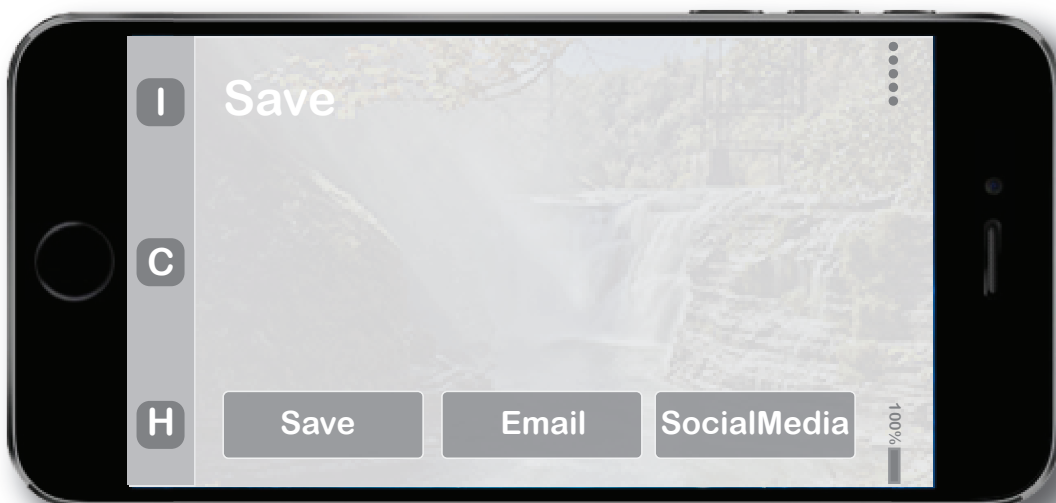
Save and Send Screen: Saved - edited image automatically saves to iCloud, ready to send to email, or social media.