Journal

# CSC 0780-01 Application Development for Mobile Devices Fall 2015

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## Week 1 – Sep 14-20:

1. Created design document – CSC 780\_Journal.docs
2. Created wireframes using ninjamocup.com
3. Went through some Bluetooth tutorials.
4. Created a prototype app that uses Bluetooth Adapter
   1. Sets up Bluetooth.
   2. Perform device discovery and query paired devices.
   3. Created an app to test Bluetooth socket programming between two devices. First device works in server mode and the second device works in client mode.
   4. Once the connection is established between them, the two devices can exchange the messages between them.

## Week 2 - Sep 21-27:

1. Bug fixes in prototype app.
2. Worked on resolving issues related to transferring string between two paired devices.
3. Developed the feature to transfer strings between two devices via Bluetooth.

## Week 3 – Sep 28 – Oct 4:

1. Added drawing canvas.
2. Added Pen tool and tip sizes.
3. Added NFC feature to pair devices.

## Week 4 – Oct 5 – Oct 11

1. Debugged NFC and Bluetooth connectivity.
2. Explored options to transfer drawing data between devices.

## Week 5 – Oct 12 – Oct 18

1. Implemented marshalling. User drawn data is marshalled and transferred to second device. The second device reconstructs the drawing and displays.
2. Implemented color picker and seek bar for pen tip size and eraser size.
3. Background color changes as per color of pen.

## Week 6 & 7 – Oct 19 – Nov 1

1. Bug fixes and improvements in marshalling.
2. Improvements on UI for drawing tools.
3. Implemented difficulty and change colors on both devices based on difficulty and pen color.
4. Plan for next week:
   * 1. Pinch zoom in and out on drawing canvas.
     2. Send and receive data to paired device from any activity.