

**Concordia University**  
**COEN/ELEC 390**  
**Fall 2018**  
**Technical Assignment 1**

<b>Deadline:</b>	Monday September 10, 2017
<b>Late Submission:</b>	No late submission

**Objective:** A prototype is used to capture requirements and share ideas with a team before the development starts. Prototyping/wireframing can be as simple as a sketch drawn on paper that shows what the expected product being developed would look like. It can also be a simulated application that looks and feels like a real one. This prototype helps the team organize their ideas before the development phase starts and divide the work accordingly. It also helps in getting feedback from the customer, before the cost of development. In this assignment, you will learn how to use prototyping tools for product development.

It is important to understand the benefit of building a prototype especially for the project of this course.

**We expect every team to start with a prototype first to get the feedback of the customer before the development starts.**

This short video explains the Benefits of Prototyping: <https://youtu.be/c1t3TC231cl>

**Description:** Using *JustInMind* prototyping tool (free download: <https://www.justinmind.com/>), design a prototype for a **mobile weather application**. The prototype needs to have “events” that allow the navigation through the pages of the prototype application. Figure 1 shows a screenshot of *JustInMind* software. When the green button on the top right “Simulate” is pressed, the prototype will be simulated, and the user will be able to demo the prototype, as shown in figure 2. The software also allows the simulation to be on an actual mobile device.

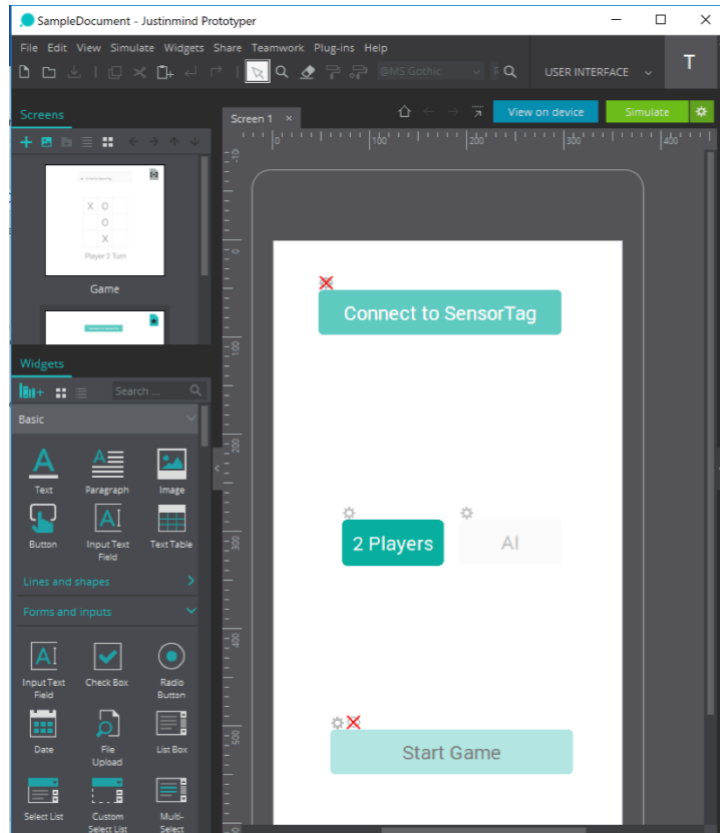


Figure 1 JustinMind Prototyper Screenshot

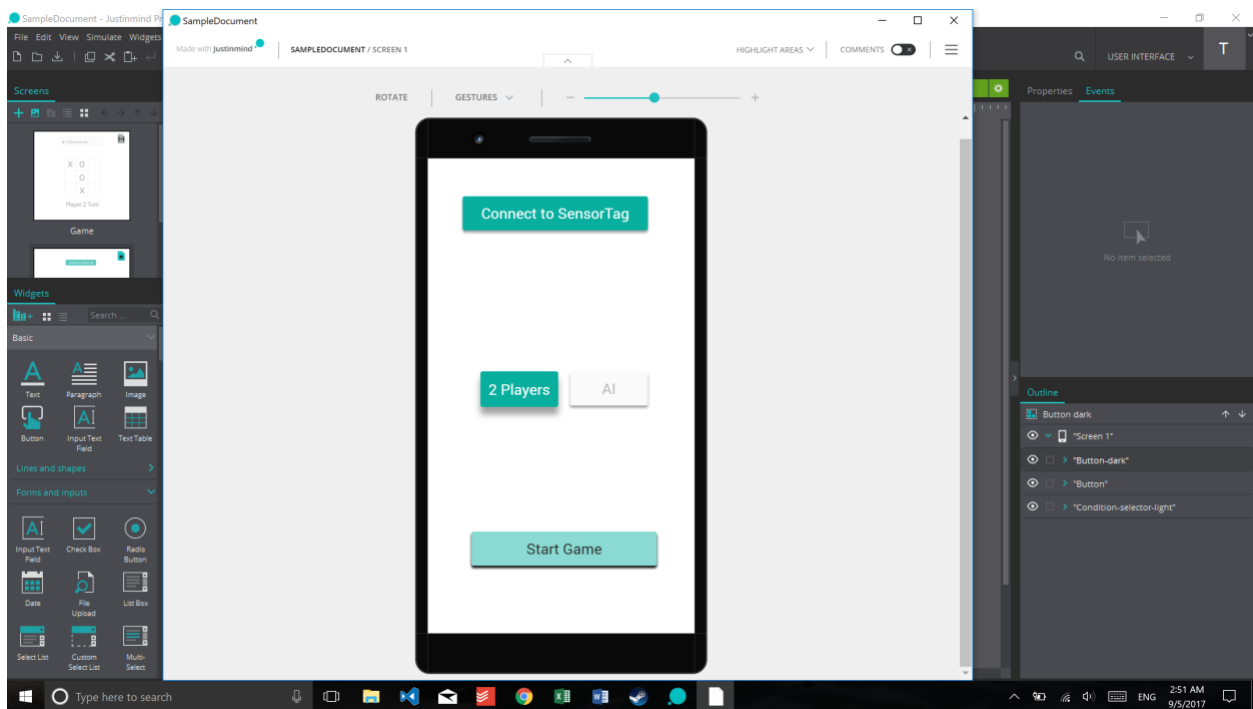


Figure 2 Simulation Screenshot

### Things to help you with the assignment:

The software has online tutorials that covers everything you can do with JustInMind (which you would not use all of it for this assignment). The tutorial page can be found on the link below:

<https://www.justinmind.com/support>

### Assignment submission and procedure

The assignment will be demoed individually during the tutorial. **However, you need to export the project to a document and submit the document in PDF format on moodle.** During the demo, you are expected to present the requirements you propose for your weather application and then simulate your wireframe to meet those requirements. I would recommend that you bring your laptops with you to demo the simulation. If you cannot, you can export the project and get it on a USB to run it on the marker's laptop.

### Evaluation criteria and grading scheme

Meeting requirements for a weather application in your design	20%
Using the prototyping tool as described in the assignment	50%
Creativity and complexity of the prototype design	30%

TJ