Senior Project CIS 4911-U01

Multi-Touch and Mid-Air Framework

Feasibility Study and Project Plan

Team Number #

Team Members:

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Mentor:

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Professor:

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# Abstract

This document outlines the feasibility of creating an API for the use of developers who want to create applications that use any type of input devices, focusing mainly on touch screens and mid-air inputs. Also covered on this document is the plan that we are to follow when developing this API and the necessary objects needed in place be it software or hardware objects.

This document will go over the current systems in place that are not meeting the expectations that our API will meet. It will describe the purpose of our software system and the alternative solutions that could be put in place to generate the expected functionality. The project plan will delineate the organization of the project, the team member that will take part in the development of the API and the hardware and software requirements for the system to be implemented.

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# Introduction

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## 1.1 Problem definition

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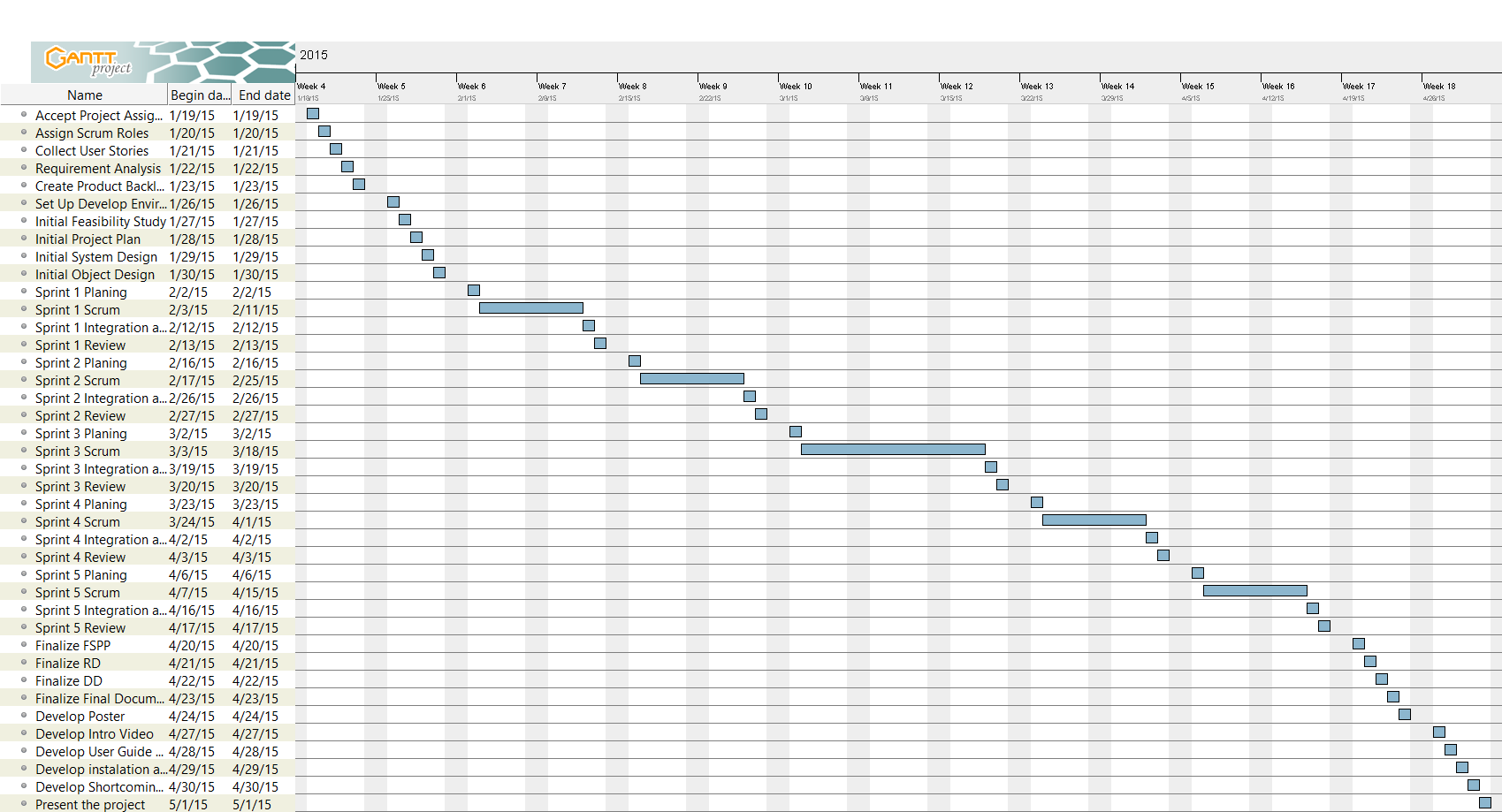
## 3.2 Identification of Tasks, Milestones and Deliverables (Work breakdown)

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# 4. Appendix

Words go here

## 4.1 Appendix A - Project Schedule (Gantt or PERT chart)



## 4.2 Appendix B - Feasibility Matrix

## 4.3 Appendix C - Cost Matrix

## 4.4 Appendix D - Diary of Meetings

Meeting 1:

Date: 01/19/15

Participants: Anthony M Amador

Francisco Ortega

Richard A Lopez

Topics discussed:

* More in-depth explanation of the system by Francisco
* Detailed explanation on Francisco expectations on Anthony and Richard
* Background information obtained from Anthony and Richard
* Set up next meeting Tuesday January 20th

Meeting 2:

Date: 01/20/15

Participants: Anthony M Amador

Francisco Ortega

Richard A Lopez

Topics discussed:

* Assigned Scrum roles: Richard: Scrum Master

Anthony: Team Member

* Discussed possible use cases
* Set up next meeting Wednesday January 21st

Meeting 3:

Date: 01/21/15

Participants: Anthony M Amador

Francisco Ortega

Richard A Lopez

Topics discussed:

* Took down all the ideas that Francisco wanted for the system
* Molded the ideas into the format of user stories ”who, what, why”
* Collected all the user stories and placed the ones that seemed unfeasible at the moment
* Set up a face to face meeting to learn C++ for Monday January 26th

Meeting 4:

Date: 01/26/15

Participants: Anthony M Amador

Francisco Ortega

Richard A Lopez

Topics discussed:

* Francisco introduced C++
* Francisco introduced some code for the system
* Anthony and Richard set up reading from C++ book
* Set up next meeting for Wednesday January 28th

Meeting 5:

Date: 01/28/15

Participants: Anthony M Amador

Richard A Lopez

Topics discussed:

* Cleaned up user stories
* Decided on points to be given for all stories
* Decided on stories that could not be developed during this semester
* Split up development of documents and diagrams
* Set up net meeting for Saturday January 31st

Meeting 6:

Date: 01/31/15

Participants: Anthony M Amador

Francisco Ortega

Richard A Lopez

Topics discussed:

* Talked about the task that would be created for each story
* Decided on meeting time for sprint planning for Monday February 2nd
* Split up more work for presentation

# 5. References