Astronomical Processing

Application Design Document

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# **Overview**

## Summary

The task given for this project is to design a project using forms, that

# **Code and Mechanics**

## Summary

The application must have the ability to sort numbers and search them via binary.

## Functional Requirements

* Search / text box
* Enter button for text box
* Sort button
* User feedback (displaying error and successful messages)

## Non-Functional Requirements

* Application must have quick response times

## Pseudocode

### 2.4.1 Sprint One

### 2.4.2 Sprint Two

# **UI Design**

## 3.1 Layout Design

# **Project Management**

## Sprint One management

This Sprint has Evan as the Scrum Master and Andrew as the other team member.

### Project Tasks

* The tasks we have been given and set for each other are:
* Make an array and set it to be sorted
* Display error and successful messages
* Bubble sort algorithm
* Binary search algorithm
* GUI (Buttons and search box)

## Sprint Two management

This Sprint has Andrew as the Scrum Master and Evan as the other team member.

### Project Tasks

* GUI
  + Mode button
  + Average button
  + Range button
  + Detailed Tooltips
  + Sequential (Linear) Search button

## Final Sprint management

## Meeting Minutes

### Week 1

We discussed the initial plans for the project and then decided who would be the scrum master for Sprint One. We discussed about who would do what task, as well as setting up Github and all the base plan work, as well as the forms project. Was an overall 40 min discussion.

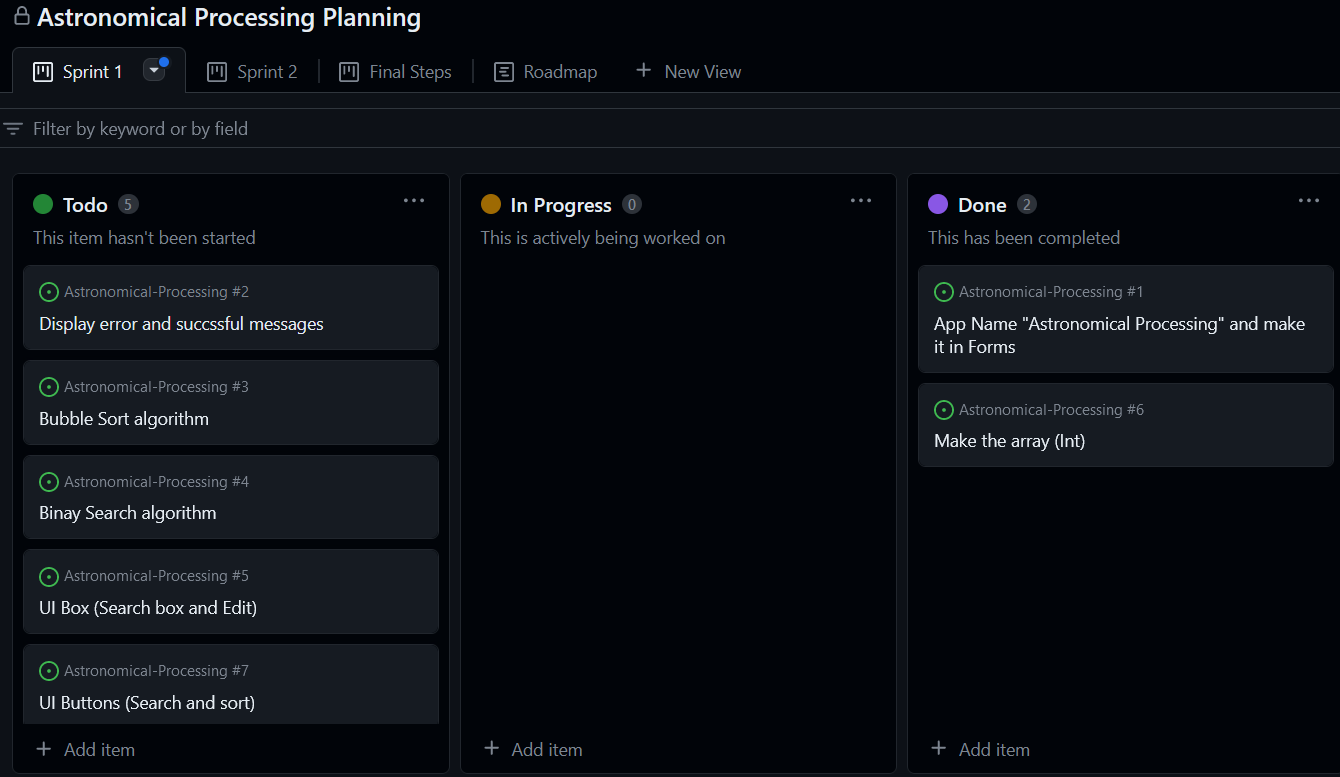
### Week 2

This week, we discussed about what we have done and what we are doing for this week. Andrew talk about how they have made the array for our project, as well as making the UI buttons for it.

### Week 3

# **Screenshots**

1: Tasks set for sprint 1 - Week 1.



# **References**