Big Team

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CS499 Fall 2019

Word Count: 260

Size Estimate:

User Story	Story Points
Portfolio Setup	5
Date Range Option	3
Daily Portfolio Performance	21
Strategy Selection	13
Net Gain or Loss	3
Graphical Portfolio Trend	13
Total	**58**

We have six different user stories, all with varying story points for a total of 58.

Risk List:

1. Data Exposure:
   a. Our customer is licensing the use of a database that contains stock/options data and it is important that the user cannot access the database themselves, but can only see the results of their inputs to the webapp.
   b. We will mitigate these risks by ensuring the backend processes handle the querying of the database through a secure API and these queries aren't made available to the front end.
2. SQL Injection:
   a. We are going to be using SQL for querying the database and an overlying threat is always SQL injection.
   b. The way we plan to mitigate is by making sure that we reduce the use of dynamic sql and use stored procedures to make sure that the attack area is reduced to an extent.

Note - The software we write is only going to be used by the customer and his employees, so the attacks from outside may be improbable, since its not going to be accessed by anyone else.

Schedule:

Options Simulation Schedule
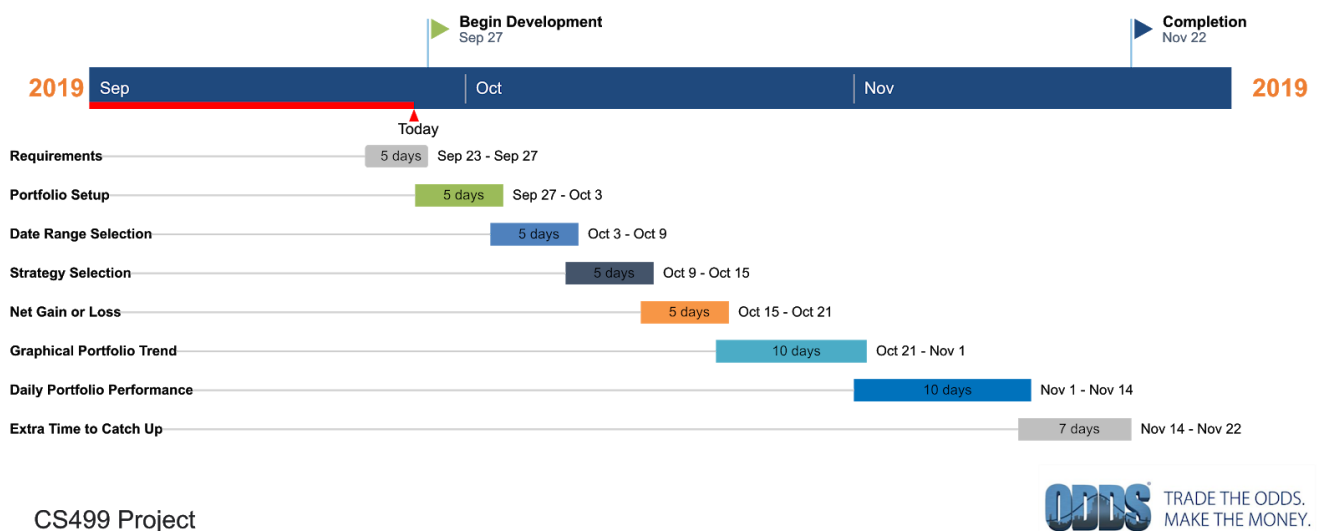
Above is a Gantt chart showing an overview of our schedule for the project. The resources that we need as per our estimates are time and laptops/computers. We would be spending considerable amounts of time on meetings and software development. Personal machines are required to develop software, hence the only hardware resource required.