<Directed Focus Study Project Title>

# Introduction

Give a high-level overview of your project.

* What is interesting about the project?
* What problem will you solve?
* What artifacts will be produced?

# Detailed Feature Description

List each feature and how it will work. Break the list into two parts “core” and “stretch” features for both Midterm presentation and Final presentation.

# Technical Issues

List the technical issues for each feature.

* How well do you currently understand the technical issues associated with the feature?
* What else do you need to learn to implement the feature?
* Rate the risk of successfully implementing the feature: high, medium, and low.

# Sprints

Break the project into one-week sprints with time estimates in hours per week. Consider task priorities, dependencies, and ordering.

# Performance

* What performance issues might arise?
* What tools will you use to solve the issues?

# Testing

* How will you test your project to prove correctness of the implemention?
* Is any special software needed?

# Bibliography

Cite all relevant literature you used