**Approach and Feasibility Report**

Due Date: February 4, 2019

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**Introduction:**

This report answers the basic questions about Team 2’s approach to this project to develop a space reservation system for Davidson College.

**Questions and Answers:**

**1.** **Does the team wish to reconsider the project?**

The team believes that the development of a space reservation system for Davidson College is a worthy project, and does not plan to reconsider the project.

**2.** **Platform (smartphone, web app, tablet, etc.)**

This system is expected to consist of a SQL database, which connects to a web application and an iOS application. Code is expected to be primarily in JavaScript and HTML, as well as SQL and Swift for the app.

**3.** **What skills does the team have for this project?**

The team currently has a good understanding of HTML and SQL. A member of the team has experience with Swift (for iOS) and another member has OpenGL/Graphics experience.

**4.** **What skills does the team need to develop?**

The team will need to augment its understanding of JavaScript, and the details of setting up JavaScript to provide the interfaces among the database and website and application components. In addition, the management of the required SQL database by all the JavaScript components will require study by this team. As only one member of the team has an understanding of Swift, the rest of the team will need to develop at least a basic understanding.

**5.** **What Process Model should the team use?**

This team expects to use the Spiral process model because this model does not require a complete set of requirements to be understood upfront. Since we are creating a website and an app, the multiple prototypes created with this model will be helpful to understand what our requirements should be as the process continues.

**6.** **Is this project actually feasible for development by this team?**

Although significant additional planning is needed to determine the size and complexity of this project and a feasible schedule, there is currently no reason to doubt the feasibility of the project.

**7.** **How will the team be organized and managed?**

The team leader is expected to work with the team to create a consensus of the team members. When the various components of the system are defined and their requirements are documented, it is expected that subgroups of the team will be assigned responsibility for one or more components through their development, integration, and test.