Event Planner Application: Software Engineering Processes

For our approach to this project, we are going to be using an Agile-esque development process we practiced in ICS 314 called Issue Driven Project Management (IDPM). This satisfies most of the requirements of an Agile process: time-boxed development, early working iterations, continuous planning, and the active outlining of new features. Below are some of the key features of the IDPM approach, followed by how we will use them over the subsequent weeks.

Divide up the work into tasks, where **no tasks take longer than 3 days.** To easily break down the project into manageable pieces, work will be divided into clearly defined tasks. Each individual task will not be too complex, so that development can progress smoothly and at a rapid pace. Difficulties that do arise will be broken down and discussed at weekly meetings, whereupon new tasks can be created to keep us on schedule.

Each task is specified by an issue. The way that tasks will be handled will be through the use of Github Issues. Each issue will be its own branch in our Github project, allowing everyone to see the progression of the project through the issues that are assigned, in-progress, and completed. Using this issue schema, everyone has an issue to work on, and when someone is finished with a particular issue, they are free to move on to a new one, bringing the project closer to completion.

Each Issue has a single owner. This way only one person is responsible for a certain thing so that it does not get confusing when multiple people are trying to work on it.This could be a problem because when using github and merging branches together, there may be some problems with it. With everyone having their own issues to work on it makes it easy for them to move on to their next issue.

Issues are organized into milestones. We will want to plan out the issues based on the milestone. We will create issues to work on for the mile stone we are in and focus on those issues first. When we get to the next milestone we will create issues for that one.

Milestones have due dates. Inorder to keep a good timeline we need to have due dates for these milestone. Having them due on group meeting days would be good so that we can plan for the next milestone and work on the issues for that one.

Milestones are represented by Project Boards. In order for us to manage a milestone we will create a github project board. The project board will allow us to track our issues that we have for that particular milestone. This makes the organization of issues very easy. All issues for a particular milestone will start in the to do list. Each member can then tackle any issue they want and that issue will then go into the in progress list. Once an issue is closed it will get put into the done list. So by using a project board we can easily add new issues and keep track of our progress.

At all times, every person has at least 1 issue that they are responsible for closing. In each Milestone's project board there should be enough issues so that each person can close 1 issue. This shouldn't be a problem since there are only 3 of us in the group. Mostly likely there will be

a number of issues to deal with. By following this we will be able to show how work is being done and how much more work still needs to be finished. We will make sure that the issues for each milestone are all complete before moving on to another milestone.