# **CSE 490-R**

Project Dev: Organization and Methodology

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| **Date:**  **Instructor:**  **Student:** | April 29, 2022  Bro. Clements  Guillermo Oliva |

**Part 1: Organization Chart**

**Graphical user interface, diagram, Teams

Description automatically generated**

*Note:* This org chart reflects the core responsibilities of the teams, however, the back end and database teams were combined in the first few weeks of the semester.

**Part 2: Summary of Agile**

Summary and it will be implemented

Agile is a framework for software development that is based on a cross-functional team and with the principle of self-management at its core. An agile team has three main roles: Product owner, scrum master, and scrum team member, which helps the team organize itself in a way that is self-accountable, while providing a simple level of management hierarchy. Agile also has some events (sprints, design, implementation, etc.) and artifacts (backlog, cards, etc.) that help the team stay on track while delivering incremental versions of the software to the customer, and hence improving the development process to guarantee that the needs and requirements of the project are met at the final delivery handoff.

In the case of our team, our team is organized so that all team members are parts of the Scrum team, we have one project manager that serves as an intermediate for questions about the product, either directly to the client, or by consulting our instructor. Since this is an online class, we agreed on having one-on-one meetings twice per week, and a long team session every Friday, we also meet as a team (or only a few members) to tackle certain areas of the product development and to help each other understand the project requirements.

Answers to the secondary questions

* + What is a story and why do we need to create one?
    - This a requirement that is document from the perspective of the target audience/persona. Stories are important because they focus on how the user will be impacted and in the perspective of that user, so that any assumptions can be made towards the end-user and not the developer’s point of view.
  + What is Agile and why is it important?
    - As a continuation to the previous summary, agile allows us to deliver product in quickly fashion while being efficient with the team time and resources, while also allowing each team member to own part of the development, hence resulting a better software quality.
  + What is my capability?
    - I work primarily with full-stack development in daily and I also can deploy applications to servers, as well as, configuring them. I can also do code reviews and database deployments.

**Part 3: Create Stories**

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| **Story 1** | **Results** |
| As a Software Engineer, I need to read the SRS to better understand the requirements for the BlitzTix application, so that we can plan the development of the application for the next sprint.  Complexity: 4 | The reading on the SRS took was split into two days, and I found items that needed further clarification. The reading also allowed to understand the purpose of the application. Complexity could have been a 5. |

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| **Story 2** | **Results** |
| As a Software Engineer, I need to inspect and install the current Backend Code, so that I can familiarize with the current state of the project and to verify if certain requirements were completed by the last team.  Complexity: 4 | This this task took about 1 week, since there were many items that need fixing for the backend to run properly. The complexity could have been a 6. |

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| **Story 3** | **Results** |
| As a Software Engineer, I need to inspect and install the current Frontend Code, so that I can familiarize with the current state of the project and to verify if certain requirements were completed by the last team.  Complexity: 4 | This story took a few days that the backend, since the React app was not as complex as the backend. Complexity was on target. |

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| **Story 4** | **Results** |
| As a Software Engineer, I need to create a list of questions from the investigation on the backend, frontend, and SRS document/code, so that the project manager can verify some assumptions before starting the next version of the SRS.  Complexity: 3 | This story was done concurrently with the other 3 stories, so and it was a useful reminder while working on the other stories. The complexity was on target. |