

**PROJECT NAME:** Servicify

[illegible]

## SE 216 – SOFTWARE PROJECT MANAGEMENT

### SOFTWARE PROCESS MODEL DOCUMENT

#### SOFTWARE PROCESS NAME: SCRUM

#### SOFTWARE PROCESS DESCRIPTION:

The Scrum software development process is an iterative and incremental agile framework designed to deliver high-value software in a flexible and adaptive manner. Scrum fosters collaboration, transparency, and continuous improvement within cross-functional teams. Since scrum is a framework, hence it can be modified. This allows the team to create a productive environment. There are several roles such as product owner, scrum master and developers.

#### SOFTWARE PROCESS MODEL:

Scrum is a versatile framework. Our project, unifying several services under one roof is quite a large undertaking. This makes it easy to fail in the event that the team loses focus during development. With the incremental nature of scrum, we can divide the difficult tasks of this project into smaller pieces. This makes the team motivated to finish the project efficiently.

The sprints:

1. Login/sign up system for service providers.
2. Login/sign up system for users.
3. Database design.
4. Framework for general service providers/markets.
5. Framework for clothing stores.
6. Framework for restaurants.
7. Implementing the user rating system.
8. Payment system.
9. General UI design.
10. Implementing security features.

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#### REASONS TO CHOOSE THIS MODEL:

Scrum's three core principles of transparency, inspection, and adaptation enable the team and stakeholders to constantly see the status of the work. This helps the team make better decisions and reduce risks. In startups like ours, it is imperative that we do not make any mistakes. Since the smallest mistake can bankrupt us. Sprints are the core of the scrum. Each Sprint aims to create an increment that increases value. This enables continuous improvement of the product and faster delivery to customers. E-commerce is a competitive market and it is important to follow new trends and adapt to the changing environment. Scrum provides the ability to adapt quickly to changing requirements. With reviews and feedback at the end of each Sprint, the team constantly learns and improves. Scrum encourages the creation of small, cross-functional teams. Such teams often work more efficiently and produce more creative solutions, and the absence of multi-layered hierarchies alleviate management overhead. To conclude, scrum is a versatile framework that aids our team to make better decisions and decrease the risk of fatal mistakes, all the while making our project more flexible to changing requirements. These advantages show that Scrum provides more effective business process management for our organization. Scrum offers excellent solutions to achieve our goals, especially in complex and rapidly changing projects like ours.