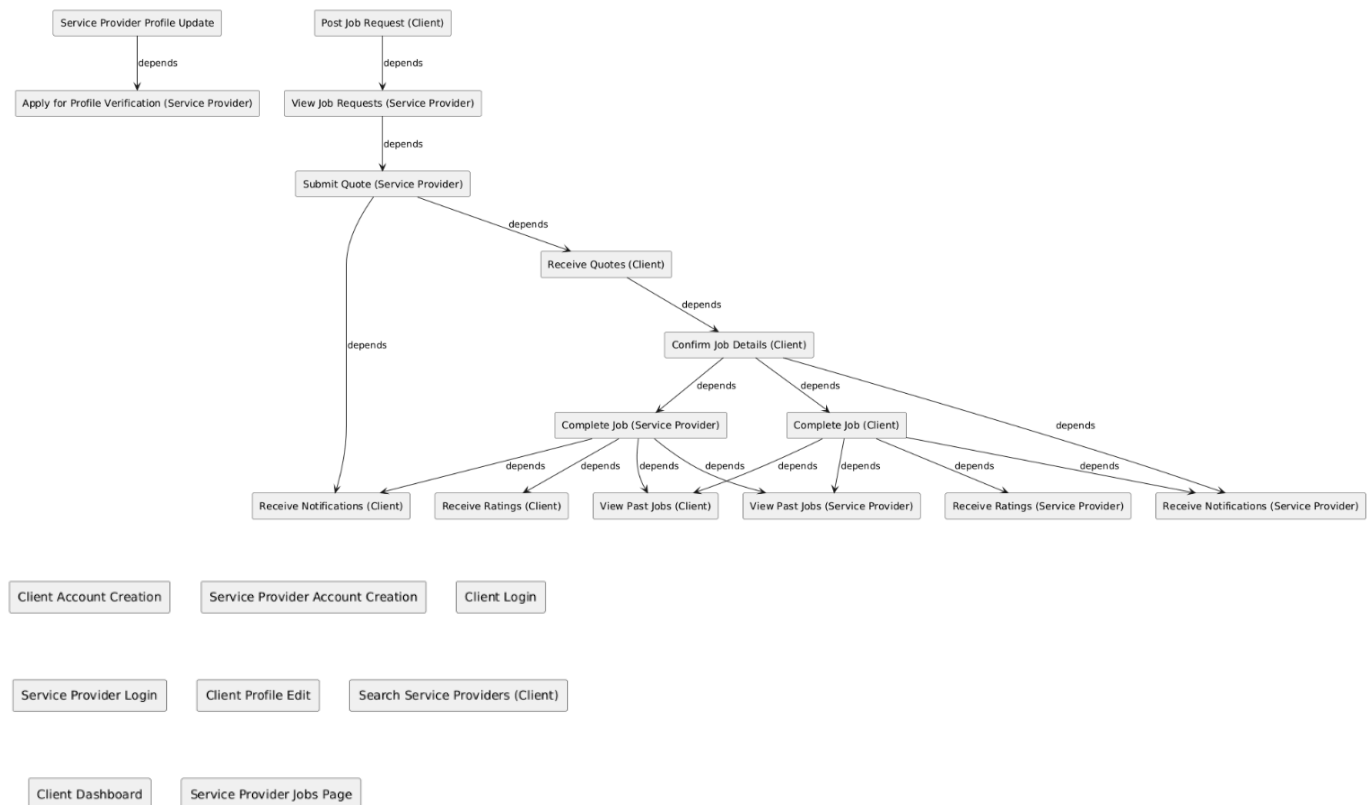# CSCC01 Quotis Schedule Report

Introduction

This report outlines the network diagram, task timings, and critical path for our project. The goal is to ensure the project is completed on schedule by identifying key dependencies and the critical path, and by taking proactive steps to manage the sprint effectively.

Network Diagram

The network diagram represents the dependencies between the 23 user stories/tasks. Each task is connected to its dependencies, showing the flow and order of execution required to complete the project. As you can see, tasks like posting a job request will allow future tasks, like viewing job requests, which subsequently allow submitting quotes, then accepting quotes, then completing the job and leaving a review, then viewing past jobs.

Here are all of our user stories and their estimated time completion:

- Client Account Creation - 2 days
- Service Provider Account Creation - 2 days
- Client Login - 1 day

- Service Provider Login - 1 day
- Client Profile Edit - 2 days
- Service Provider Profile Update - 2 days
- Post Job Request (Client) - 3 days
- View Job Requests (Service Provider) - 1 day
- Submit Quote (Service Provider) - 2 days
- Receive Quotes (Client) - 2 days
- Confirm Job Details (Client) - 1 day
- Complete Job (Client) - 2 days
- Complete Job (Service Provider) - 2 days
- View Past Jobs (Client) - 1 day
- View Past Jobs (Service Provider) - 1 day
- Receive Ratings (Client) - 1 day
- Receive Ratings (Service Provider) - 1 day
- Search Service Providers (Client) - 2 days
- Receive Notifications (Client) - 1 day
- Receive Notifications (Service Provider) - 1 day
- Apply for Profile Verification (Service Provider) - 2 days
- Client Dashboard - 3 days
- Service Provider Jobs Page - 3 days

Using the Critical Path Method (CPM), the following critical path has been identified:

Critical Path: 7 -> 8 -> 9 -> 10 -> 11 -> 12 -> 14

This path has the longest duration and any delay in these tasks will delay the overall project.

- Post Job Request (Client) - 3 days
- View Job Requests (Service Provider) - 1 day
- Submit Quote (Service Provider) - 2 days
- Receive Quotes (Client) - 2 days
- Confirm Job Details (Client) - 1 day
- Complete Job (Client) - 2 days
- View Past Jobs (Client) - 1 day

Total Duration: 3 + 1 + 2 + 2 + 1 + 2 + 1 = 12 days

Steps to Keep the Sprint on Schedule

To ensure the sprint stays on schedule, we must:

- **Hold Regular Stand-up Meetings:** Conduct daily stand-up meetings to review progress, identify any blockers, and ensure everyone is on the same page. This will help us quickly address any issues and prevent delays.

- **Monitor Progress:** Use Jira to track the status of each task. We must make sure tasks are updated regularly and progress is visible to all team members. This transparency will help in identifying and resolving issues promptly.
- **Resource and Task Allocation:** Ensure that team members are appropriately allocated to tasks, especially those on the critical path. Avoid overloading any single team member to maintain a balanced workload.
- **Buffer Time:** Include some buffer time in the schedule to account for unforeseen delays. This will help us absorb minor delays without affecting the overall project timeline.
- **Frequent Check-ins:** Schedule mid-sprint reviews and retrospectives to reassess our progress and make any necessary adjustments to our plan. This allows for real-time course correction and ensures alignment with the sprint goals.