

**Note:** Beyond Iteration 2, nothing is changed.  
**Task Name:** (Dependencies top to bottom)

| Up to (bottom)               |  | Role          |   |  | Owner<br>(primary owner)<br>(secondary owners )      |  | Estimated<br>By Task | Effort<br>Subtotals | Actual<br>By Task | Actual<br>Subtotals | Actual<br>Status | Actual<br>By Task | Actual<br>By Task | Actual<br>By Task | Actual<br>By Task |
|------------------------------|--|---------------|---|--|--|--|----------------------|---------------------|-------------------|---------------------|------------------|-------------------|-------------------|-------------------|-------------------|
| Preliminary & Parallel Tasks |  | Architecture  | Design architecture                               | Project Manager                        | Samuel Lim   |  | 10                   | 10                  | 9.0               | 9.0                 |                  | 4.0               | 2.0               | 2.0               | 1.0               |
|                              |  | Requirements  | Gather  | Requirements Engineer                  | Zachary Zoltek, Samuel Lim                           |  | 1                    | 7                   | 1.2               | 1.2                 |                  | 0.3               | 0.2               | 0.5               | 0.2               |
|                              |  |               | Analyze   | Requirements Engineer                  | Zachary Zoltek, Samuel Lim                           |  | 2                    |                     | 0.0               | 0.0                 |                  |                   |                   |                   | 0.0               |
|                              |  |               | Specify   | Requirements Engineer                  | Zachary Zoltek, Samuel Lim                           |  | 4                    |                     | 0.0               | 0.0                 |                  |                   |                   |                   | 0.0               |
|                              |  | Documentation | Project Charter                                   | Project Manager                        | Samuel Lim   |  | 1                    | 29                  | 4.0               | 16.5                |                  | 1.0               | 1.0               | 1.0               | 1.0               |
|                              |  |               | Release Plan                                      | Project Manager                        | Samuel Lim   |  | 2                    |                     | 0.7               | 0.7                 |                  | 0.3               | 0.4               |                   | 4.0               |
|                              |  |               | Requirements Document                             | Project Manager, Requirements Engineer | Samuel Lim, Zach Zoltek                              |  | 7                    |                     | 6.3               | 6.3                 |                  | 2.0               | 2.0               | 2.0               | 0.3               |
|                              |  |               | Project Plan                                      | Project Manager, Developers            | Samuel Lim, Alivia Dutcher, Zach Zoltek              |  | 5                    |                     | 5.5               | 5.5                 |                  | 1.5               | 1.5               | 1.5               | 1.0               |
|                              |  |               | Architecture Document                             | Architect                              | Yazdan Riaz, Samuel Lim                              |  | 4                    |                     | 0.0               | 0.0                 |                  |                   |                   |                   | 5.5               |
|                              |  |               | Test Report                                       | Tester                                 | Zach Zoltek, Samuel Lim                              |  | 8                    |                     | 0.0               | 0.0                 |                  |                   |                   |                   | 0.0               |
|                              |  |               | User Guide & System Admin Doc                     | Developers, Requirements Engineer      | Riaz, Zach Zoltek, Samuel Lim                        |  | 2                    |                     | 0.0               | 0.0                 |                  |                   |                   |                   | 0.0               |
| Coding Iteration 1:          |  | Development   |   |  |  |  | 47                   |                     | 0.0               | 17.0                |                  |                   |                   |                   | 0.0               |
|                              |  |               | Determine technology needs                        | Developer                              | Alivia Dutcher, Yazdan Riaz, Zach Zoltek, Samuel Lim |  | 2                    |                     | 1.7               | 1.7                 | IP               | 0.6               | 0.4               | 0.5               | 0.2               |
|                              |  |               | Research and learn new language and environment   | Developer                              | Alivia Dutcher, Zach Zoltek, Samuel Lim              |  | 15                   |                     | 13.0              | 13.0                | Done             | 4.0               | 3.0               | 3.5               | 2.5               |
|                              |  |               | Set up double proxy for HTTP server               | Developer                              | Alivia Dutcher                                       |  | 2                    |                     | 0.8               | 0.8                 | Done             | 0.5               |                   | 0.3               |                   |
|                              |  |               | Set up autocd tooling for CI pipelines            | Developer                              | Zach Zoltek  |  | 1                    |                     | 0.6               | 0.6                 | Done             | 0.3               | 0.0               | 0.3               | 0.0               |
|                              |  |               | Implement foundational HTTP logic                 | Developer                              | Alivia Dutcher                                       |  | 12                   |                     | 0.3               | 0.3                 | IP               | 0.3               |                   |                   | 0.3               |
|                              |  |               | Create HTTP handling code (client)                | Developer                              | Alivia Dutcher                                       |  | 4                    |                     | 0.3               | 0.3                 | IP               | 0.3               |                   |                   | 0.3               |
|                              |  |               | Write user token handling locally                 | Developer                              | Yazdan Riaz  |  | 1                    |                     | 0.0               | 0.0                 | Todo             |                   |                   |                   | 0.0               |
|                              |  |               | Write code for managing HTTP session              | Developer                              | Zach Zoltek  |  | 6                    |                     | 0.0               | 0.0                 | Todo             |                   |                   |                   | 0.0               |
|                              |  |               | Unit Testing                                      | Developer                              | Zach Zoltek, Yazdan Riaz                             |  | 4                    |                     | 0.3               | 0.3                 | IP               |                   | 0.3               |                   | 0.3               |
|                              |  | Analysis      | System and Environment Testing                    | Tester                                 | Zach Zoltek  |  | 2                    | 10                  | 1.7               | 5.2                 | Done             | 0.5               | 0.5               | 0.5               | 0.2               |
|                              |  |               | Bug fixes as required                             | Tester, Developer                      | Alivia Dutcher, Zach                                 |  | 3                    |                     | 0.0               | 0.0                 | N/A              | 0.0               | 0.0               | 0.0               | 0.0               |
|                              |  |               | Evaluate needs for next iteration                 | Project Manager                        | Samuel Lim   |  | 5                    |                     | 3.5               | 3.5                 | Done             | 2.0               | 0.5               | 0.5               | 0.5               |
| Iteration 2:                 |  | Design        |   |  |  |  | 15.5                 |                     | 7.0               | 7.0                 |                  | 0.5               | 0.5               | 0.5               | -                 |
|                              |  |               | Implement any design changes                      | Project Manager                        | Samuel Lim   |  | 3                    |                     | 1.5               | 1.5                 | IR               | 1.0               | 1.0               | 1.0               | 0.5               |
|                              |  |               | Risk analysis                                     | Project Manager                        | Alivia Dutcher, Samuel Lim                           |  | 4                    |                     | 3.5               | 3.5                 | Done             | -                 | -                 | -                 | -                 |
|                              |  |               | Design container format (schedule)                | Developer                              | Alivia Dutcher, Samuel Lim                           |  | 2.5                  |                     | 0.0               | 0.0                 | Todo             | -                 | -                 | -                 | -                 |
|                              |  |               | Design drop-in format parsing                     | Developer                              | Alivia Dutcher, Samuel Lim                           |  | 4                    |                     | 0.0               | 0.0                 | Todo             | -                 | -                 | -                 | -                 |
|                              |  |               | Create UI design for main page                    | Developer                              | Zach Zoltek  |  | 2                    |                     | 2.0               | 2.0                 | IP               | 0.5               | 0.8               | 0.8               | -                 |
|                              |  | Development   |   |  |  |  | 11                   |                     | 6.4               | 6.4                 |                  | 1.2               | 1.2               | 1.2               | 1.0               |
|                              |  |               | Review requirements                               | Developer                              | Alivia Dutcher, Zach Zoltek, Samuel Lim              |  | 4                    |                     | 4.6               | 4.6                 | Done             | 0.8               | -                 | -                 | -                 |
|                              |  |               | Connect client and session HTTP logic             | Developer                              | Alivia Dutcher, Zach Zoltek                          |  | 2.5                  |                     | 0.8               | 0.8                 | IR               | -                 | -                 | -                 | -                 |
|                              |  |               | Handle basic token generation                     | Developer                              | Yazdan Riaz  |  | 1                    |                     | 0.0               | 0.0                 | Todo             | -                 | -                 | -                 | -                 |
|                              |  |               | Implement design structure for main               | Developer                              | Zach Zoltek  |  | 2                    |                     | 0.0               | 0.0                 | Todo             | -                 | -                 | -                 | -                 |
|                              |  |               | Unit Testing                                      | Developer                              | Zach Zoltek, Yazdan Riaz                             |  | 1.5                  |                     | 1.0               | 1.0                 | IP               | 0.5               | -                 | 0.5               | -                 |
|                              |  | Analysis      |   |  |  |  | 7                    |                     | 4.7               | 4.7                 |                  | 0.5               | -                 | 1.0               | -                 |
|                              |  |               | System and Environment Testing                    | Tester                                 | Zach Zoltek  |  | 2                    |                     | 1.5               | 1.5                 | IR               | 0.0               | 0.0               | 0.0               | 0.0               |
|                              |  |               | Bug fix as required                               | Tester, Developer                      | Alivia Dutcher, Zach Zoltek                          |  | 2                    |                     | 0.0               | 0.0                 | N/A              | 1.2               | 1.2               | 0.5               | 0.3               |
|                              |  |               | Evaluate needs for next iteration                 | Project Manager                        | Samuel Lim   |  | 3                    |                     | 3.2               | 3.2                 | Done             | 1.2               | 1.2               | 0.5               | 0.3               |
| Iteration 3:                 |  | Design        |   |  |  |  | 13                   |                     | 2.5               | 2.5                 |                  | 0.1               |                   |                   | 0.1               |
|                              |  |               | Implement any design changes                      | Project Manager                        | Samuel Lim   |  | 2                    |                     | 0.1               | 0.1                 | IP               | 0.3               | 0.3               | 0.3               | 0.0               |
|                              |  |               | Risk analysis                                     | Project Manager                        | Samuel Lim, Alivia Dutcher                           |  | 4                    |                     | 0.9               | 0.9                 | IP               | 0.0               | 0.0               | 0.0               | 0.0               |
|                              |  |               | Create UI design for main page                    | Developer                              | Zach Zoltek  |  | 4                    |                     | 0.0               | 0.0                 | IP               | 0.0               | 0.0               | 0.0               | 0.0               |
|                              |  |               | Design data structure for schedule constraints    | Developer                              | Alivia Dutcher                                       |  | 3                    |                     | 1.5               | 1.5                 | IR               | 0.5               | 1.0               |                   | 1.5               |
|                              |  | Development   |   |  |  |  | 18.5                 |                     | 4.0               | 4.0                 |                  |                   | 4.0               |                   | 0.0               |
|                              |  |               | Review requirements                               | Developer                              | Alivia Dutcher                                       |  | 4                    |                     | 4.0               | 4.0                 | Done             |                   | 4.0               |                   | 4.0               |
|                              |  |               | Develop code for processing scheduling data       | Developer                              | Alivia Dutcher, Samuel Lim                           |  | 3                    |                     | 0.0               | 0.0                 | IR               |                   |                   |                   | 0.0               |
|                              |  |               | Implement client-API integration                  | Developer                              | Yazdan Riaz  |  | 6                    |                     | 0.0               | 0.0                 | Todo             |                   |                   |                   | 0.0               |
|                              |  |               | Display scheduling information                    | Developer                              | Alivia Dutcher                                       |  | 4                    |                     | 0.0               | 0.0                 | Todo             |                   |                   |                   | 0.0               |
|                              |  |               | Unit Testing                                      | Developer                              | Zach Zoltek  |  | 1.5                  |                     | 0.0               | 0.0                 | IP               |                   |                   |                   | 0.0               |
|                              |  | Analysis      |   |  |  |  | 4                    |                     | 0.0               | 0.0                 |                  |                   |                   |                   | 0.0               |
|                              |  |               | Acceptance Testing                                | Tester, Project Manager                | Zach Zoltek, Samuel Lim                              |  | 2                    |                     | 0.0               | 0.0                 | IP               |                   |                   |                   | 0.0               |
|                              |  |               | Bug fix as required                               | Tester, Developer                      | Alivia Dutcher, Zach Zoltek                          |  | 2                    |                     | 0.0               | 0.0                 | N/A              |                   |                   |                   | 0.0               |
| Iteration 4:                 |  | Design        |   |  |  |  | 10                   |                     | 8.0               | 8.0                 |                  | 3.0               | -                 | -                 | -                 |
|                              |  |               | Implement any design changes                      | Project Manager                        | Samuel Lim   |  | 2                    |                     | 3.0               | 3.0                 | IR               | 1.0               | 1.0               | 1.0               | 0.5               |
|                              |  |               | Risk analysis                                     | Project Manager                        | Samuel Lim, Alivia Dutcher                           |  | 4                    |                     | 3.5               | 3.5                 | Done             | -                 | 1.5               | -                 | -                 |
|                              |  |               | Create UI design for main page                    | Developer                              | Zach Zoltek  |  | 4                    |                     | 1.5               | 1.5                 | Done             | 1.0               | 1.0               | -                 | 1.5               |
|                              |  | Development   |   |  |  |  | 28.5                 |                     | 15.3              | 15.3                |                  | 1.5               | 1.5               | 1.0               | -                 |
|                              |  |               | Review requirements                               | Developer                              | Alivia Dutcher                                       |  | 2                    |                     | 4.0               | 4.0                 | Done             | 2.0               | 1.0               | -                 | -                 |
|                              |  |               | Develop code for processing scheduling data       | Developer                              | Alivia Dutcher, Samuel Lim                           |  | 6                    |                     | 3.0               | 3.0                 | IP               | -                 | -                 | -                 | -                 |
|                              |  |               | Implement client-API integration                  | Developer                              | Yazdan Riaz  |  | 6                    |                     | 0.0               | 0.0                 | IP               | 0.6               | 1.0               | -                 | -                 |
|                              |  |               | Display scheduling information                    | Developer                              | Alivia Dutcher                                       |  | 4                    |                     | 1.6               | 1.6                 | IR               | 0.2               | -                 | -                 | -                 |
|                              |  |               | Unit Testing                                      | Developer                              | Zach Zoltek  |  | 1.5                  |                     | 0.2               | 0.2                 | Done             | 0.2               | -                 | -                 | -                 |
|                              |  |               | Relational DB and Data Access Layer Setup         | Developer                              | Zach Zoltek  |  | 3.5                  |                     | 4.0               | 4.0                 | IR               | 1.5               | 1.5               | -                 | 1.0               |
|                              |  |               | Create UI design for main page                    | Developer                              | Zach Zoltek  |  | 3.5                  |                     | 1.3               | 1.3                 | Done             | 0.3               | 1.0               | -                 | -                 |
|                              |  |               | Integration Testing                               | Developer                              | Zach Zoltek, Alivia Dutcher                          |  | 2                    |                     | 1.2               | 1.2                 | IR               | 0.4               | 0.4               | 0.4               | -                 |
|                              |  | Analysis      |   |  |  |  | 6                    |                     | 3.1               | 3.1                 |                  | 0.5               | 0.5               | -                 | -                 |
|                              |  |               | Acceptance Testing                                | Tester, Project Manager                | Zach Zoltek, Samuel Lim                              |  | 2                    |                     | 1.0               | 1.0                 | Todo             | 0.2               | 0.2               | -                 | -                 |
|                              |  |               | Bug fix as required                               | Tester, Developer                      | Alivia Dutcher, Zach Zoltek                          |  | 2                    |                     | 0.4               | 0.4                 | Done             | 0.5               | 0.5               | 0.5               | 0.2               |
|                              |  |               | Module triage                                     | Tester, Developer                      | Alivia Dutcher, Zach Zoltek                          |  | 2                    |                     | 1.7               | 1.7                 | Done             |                   |                   |                   | 1.7               |
| Iteration 5:                 |  | Design        |   |  |  |  | 5.5                  |                     | 1.0               | 1.0                 |                  | 0.5               |                   |                   | 0.0               |
|                              |  |               | Implement any design changes                      | Project Manager                        | Samuel Lim   |  | 2                    |                     | 0.5               | 0.5                 | IP               | 0.3               | 0.3               |                   | 0.5               |
|                              |  |               | Risk analysis                                     | Project Manager                        | Samuel Lim, Alivia Dutcher                           |  | 1                    |                     | 0.0               | 0.0                 | IP               |                   |                   |                   | 0.5               |
|                              |  |               | Finalise schedule UI actions                      | Developer                              | Zach Zoltek  |  | 1                    |                     | 0.5               | 0.5                 | Todo             |                   |                   |                   | 0.0               |
|                              |  |               | Design final conflict representation in UI        | Developer                              | Alivia Dutcher                                       |  | 1.5                  |                     | 0.0               | 0.0                 | Todo             |                   |                   |                   | 0.0               |
|                              |  | Development   |   |  |  |  | 6.5                  |                     | 0.0               | 0.0                 |                  |                   |                   |                   | 0.0               |
|                              |  |               | Review requirements                               | Developer                              | Alivia Dutcher                                       |  | 1                    |                     | 0.0               | 0.0                 | Todo             |                   |                   |                   | 0.0               |
|                              |  |               | Develop generic constraints for scheduling engine | Developer                              | Alivia Dutcher, Samuel Lim                           |  | 2                    |                     | 0.0               | 0.0                 | Todo             |                   |                   |                   | 0.0               |
|                              |  |               | Finalise database profile saving                  | Developer                              | Yazdan Riaz  |  | 1                    |                     | 0.0               | 0.0                 | Todo             |                   |                   |                   | 0.0               |
|                              |  |               | Implement client live-loading                     | Developer                              | Zach Zoltek  |  | 1.5                  |                     | 0.0               | 0.0                 | Todo             |                   |                   |                   | 0.0               |
|                              |  |               | Unit Testing                                      | Developer                              | Zach Zoltek, Samuel Lim                              |  | 1                    |                     | 0.0               | 0.0                 | Todo             |                   |                   |                   | 0.0               |
|                              |  | Analysis      |   |  |  |  | 7                    |                     | 0.0               | 0.0                 |                  |                   |                   |                   | 0.0               |
|                              |  |               | Acceptance, Performance, Regression Tests         | Tester, Project Manager                | Zach Zoltek, Samuel Lim, Alivia Dutcher              |  | 6                    |                     | 0.0               | 0.0                 | Todo             |                   |                   |                   | 0.0               |
|                              |  |               | Bug fix as required                               | Tester, Developer                      | Alivia Dutcher, Zach Zoltek                          |  | 1                    |                     | 0.0               | 0.0                 | Todo             |                   |                   |                   | 0.0               |
| Total                        |  |               |   |  |  |  | 235.5                | 235.5               | 100.9             | 100.9               |                  | 37.2              | 31.8              | 21.6              | 19.4              |