| Phase | Category | Task Name (Dependencies top to bottom) | Role | Owner (primary owner) (secondary owners) | Estimated By Task | Effort Subtotals | Actual By Task | Actual Subtotals | Alexa Actual By Task | Tarsus Actual By Task | Ekrem Actual By Task | Dalton Actual By Task | Long Actual By Task | Total By Task |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Preliminary & Parallel Tasks** | **Architecture** | | | | | 12 | | 1 | | | | | | |
| | | Design architecture | Project Manager | **Alexa**, Tarsus | 12 | | 1 | | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 1 |
| | **Requirements** | | | | | 9 | | 8 | | | | | | 0 |
| | | Gather | Requirements Engineer | **Ekrem**, Alexa | 2 | | 3 | | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 2 |
| | | Analyze | Requirements Engineer | **Long**, Alexa | 4 | | 5 | | 2.5 | 0.0 | 0.0 | 0.0 | 2.5 | 5 |
| | | Specify | Requirements Engineer | **Dalton**, Alexa | 3 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | **Documentation** | | | | | 28 | | 8 | | | | | | 0 |
| | | Project Charter | Project Manager | **Alexa**, Tarsus | 2 | | 2.5 | | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 2.5 |
| | | Release Plan | Project Manager | **Alexa**, Tarsus | 2 | | 2.5 | | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 2.5 |
| | | Requirements Document | Project Manager, Requirements Engineer | **Alexa**, Tarsus | 5 | | 3 | | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 3 |
| | | Project Plan | Project Manager, Developers | **Alexa**, Long, Dalton, Ekrem, Tarsus | 5 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | Architecture Document | Architect | **Ekrem**, Long | 4 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | Test Report | Tester | **Alexa**, Dalton | 8 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | User Guide & System Admin Doc | Developers, Requirements Engineer | **Tarsus**, Ekrem, Long, Dalton | 2 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| **Coding Iteration 1:** | **Development** | | | | | 48 | | 32.5 | | | | | | |
| | | IDE, Local Database Setup (Eclipse, MariaDB, WAMP) | Developer | **Tarsus, Ekrem, Long, Dalton** | 8 | | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | Language/framework training | Developer | **Tarsus, Ekrem, Long, Dalton** | 20 | | 25 | | 0.0 | 6.3 | 6.3 | 6.3 | 6.3 | 25.2 |
| | | Determine database schema | Developer | Tarsus, Dalton, **Ekrem, Long** | 2 | | 3 | | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 4 |
| | | Set up Spring Boot Project in Repo | Developer | Ekrem, **Tarsus** | 3 | | 2 | | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 2 |
| | | Set up Angular Project in Repo | Developer | **Tarsus**, Ekrem | 3 | | 2.5 | | 0.0 | 1.3 | 1.3 | 0.0 | 0.0 | 2.6 |
| | | Link local database to Spring Boot project | Developer | **Tarsus**, Dalton, Long | 5 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | Implement domain objects, data access objects | Developer | **Long**, Dalton | 3 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | Write basic REST endpoints/controllers | Developer | **Ekrem**, Long | 2 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | Test basic REST endpoints/controllers | Developer | **Dalton**, Long | 2 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | **Analysis** | | | | | 6 | | 2 | | | | | | 0 |
| | | System Testing | Tester | **Alexa**, Tarsus | 2 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | Bug fix as required | Tester, Developer | Long, Dalton, **Ekrem** | 2 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | Evaluate needs for next iteration | Project Manager | **Alexa, Tarsus** | 2 | | 2 | | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2 |
| **Iteration 2:** | **Design** | | | | | 12 | | 3 | | | | | | 0 |
| | | Implement any design changes | Project Manager | **Alexa**, Tarsus | 2 | | 2 | | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2 |
| | | Risk analysis | Project Manager | **Alexa**, Tarsus | 2 | | 1 | | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 1 |
| | | Create UI design login screen | Project Manager/ Developer | **Long**, Alexa | 3 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | Create UI design dashboard | Project Manager/ Developer | **Long**, Alexa | 5 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | **Development** | | | | | 15 | | 11 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | IDE, Local Database Setup (Eclipse, MariaDB, WAMP) | Developer | **Dalton, Long, Ekrem, Tarsus, Alexa** | 8 | | 5 | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 5 |
| | | Write basic REST endpoints/controllers | Developer | **Ekrem**, Tarsus | 2 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | Test basic REST endpoints/controllers | Developer | **Dalton**, Long | 2 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | Implement domain objects, data access objects | Developer | **Tarsus**, Ekrem | 3 | | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | Link local database to Spring Boot project | Developer | **Tarsus**, Ekrem | 5 | | 6 | | 0.0 | 3.0 | 3.0 | 0.0 | 0.0 | 6 |

| Iteration | Phase | Task | Role | Resources | Est | Act |
|---|---|---|---|---|---|---|
| | | Implement UI | Developer | **Dalton, Long, Ekrem, Tarsus, Alexa** | 5 | 0 |
| | | Unit Testing | Developer | **Tarsus**, Alexa | 2 | 0 |
| | Analysis | | | | 6 | 5 |
| | | System Testing | Tester | **Tarsus**, Alexa | 2 | 2 |
| | | Bug fix as required | Tester, Developer | **Dalton, Long, Ekrem, Tarsus, Alexa** | 2 | 1 |
| | | Evaluate needs for next iteration | Project Manager | **Alexa,** Tarsus | 2 | 2 |
| Iteration 3: | Design | | | | 16 | 12 |
| | | Implement any design changes | Project Manager | **Alexa**, Tarsus | 2 | 2 |
| | | Risk analysis | Project Manager | **Alexa**, Tarsus | 4 | 4 |
| | | Create UI Design Login Screen | Developer | **Dalton**, Alexa | 5 | 6 |
| | | Create UI Design Dashboard | Developer | **Dalton**, Alexa | 5 | 0 |
| | Development | | | | 14 | 12 |
| | | Write basic REST endpoints/controllers | Developer | **Ekrem**, Tarsus | 2 | 1 |
| | | Test basic REST endpoints/controllers | Developer | **Dalton**, Long | 2 | 3 |
| | | Implement domain objects, data access objects | Developer | **Tarsus**, Ekrem | 3 | 4 |
| | | Implement UI | Developer | **Alexa**, Dalton | 5 | 3 |
| | | Unit Testing | Developer | **Tarsus**, Ekrem | 2 | 1 |
| | Analysis | | | | 7 | 4 |
| | | Acceptance Testing | Tester, Project Manager | Tarsus, **Long** | 3 | 0 |
| | | Evaluate needs for next Iteration | Project Manager | **Alexa** | 2 | 2 |
| | | Bug fix as required | Tester, Developer | Dalton, Long, Ekrem, Tarsus, Alexa | 2 | 2 |
| **Total** | | | | | 185 | 173 | 98.5 | 98.5 |

| C1 | C2 | C3 | C4 | C5 | Total |
|---|---|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | | | | | |
| 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2 |
| 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 5 |
| 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2 |
| 14.5 | 23.6 | 15.6 | | 11.8 | 65.5 |
| 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| 2.0 | 2.0 | 0.0 | 0.0 | 0.0 | 4.0 |
| 5.5 | 0.5 | 0.0 | 0.0 | 0.0 | 6.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | 12.0 |
| 0.0 | 0.5 | 0.5 | 0.0 | 0.0 | 1.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 3.0 |
| 0.0 | 2.0 | 2.0 | 0.0 | 0.0 | 4.0 |
| 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 |
| 0.0 | 0.5 | 0.5 | 0.0 | 0.0 | 1.0 |
| | | | | | 12.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1.5 | 0.5 | 0.0 | 0.0 | 0.0 | 2.0 |
| 0 | 1 | 1 | 0 | 0 | 2 |
| 42.1 | 55.3 | 35.2 | 9.3 | 26.6 | 168.5 |