| # | Theme | Goal | Feature Name | Est. Size (Feature) | Est. Size (Sprint) | Real Size (Feature) | Real Size (Sprint) | Burn-Down |
|---|-------|------|--------------|---------------------|--------------------|---------------------|--------------------|-----------|
| | | | Total | | 127 | | | 127 |
| 1 | Initial setup | | | | 9 | | 9 | 118 |
| | | Getting to know and setup project | | | | | | |
| | | | Information on prior experience | 2 | | 2 | | |
| | | | Meeting with industry partner | 2 | | 2 | | |
| | | | Additional team meetings | 1 | | 1 | | |
| | | | Django or flask | 1 | | 1 | | |
| | | | Choice of IDE | 1 | | 1 | | |
| | | | Clone client repository | 2 | | 2 | | |
| 2 | Fundamentals | | | | 25 | | 29 | 93 |
| | | Deliver increment with basic user handling | | | | | | |
| | | | System setup and hands on | 3 | | 3 | | |
| | | | Navigation Header | 3 | | 3 | | |
| | | | Setup Docker project | 3 | | 3 | | |
| | | | Setup Django project | 3 | | 5 | | |
| | | | Project Linter and CI setup | 3 | | 3 | | |
| | | | Python sub processes for bash connection | 3 | | 3 | | |
| | | | Proper EMBA Integration | 3 | | 3 | | |
| | | | Freezing python version | 1 | | 1 | | |
| | | | Exploring Optimized libraries for sub processes | 3 | | 5 | | |
| 3 | Frontend services | | | | 23 | | 24 | 70 |
| | | Incremental enhancement | | | | | | |
| | | | Data fields for firmware uploader | 3 | | 5 | | |
| | | | Unzip functionality | 5 | | 3 | | |
| | | | Saving firmware image | 3 | | 3 | | |
| | | | Frontend integration | 2 | | 3 | | |
| | | | Websocket communication | 5 | | 5 | | |
| | | | ASGI setup | 5 | | 5 | | |
| 4 | Backend Services | | | | 17 | | 20 | 53 |
| | | Incremental enhancement | | | | | | |
| | | | CSRF cookie | 2 | | 5 | | |
| | | | Zipping generated reports | 2 | | 2 | | |
| | | | Backend job queue | 3 | | 5 | | |
| | | | Progress bar | 5 | | 3 | | |
| | | | MongoDB integration | 5 | | 5 | | |
| 5 | UI and backend functionalities | | | | | | | |
| | | Incremental enhancement | | | 26 | | | 27 | |
| | | | Setting up API endpoints | 3 | | 3 | | |
| | | | Frontend user login implementation | 3 | | | | |
| | | | Processing emba log | 3 | | 3 | | |
| | | | Emba error handling | 3 | | | | |
| | | | Command parser | 3 | | 3 | | |
| | | | Emba service dashboard | 5 | | | | |
| | | | Integration of datafields in front- and backend | 3 | | | | |
| | | | Database table for authentication | 3 | | 3 | | |
| 6 | UI and backend functionalities | | | | | | | |
| | | Incremental enhancement | | | 27 | | | 0 | |

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|---|-------|------|--------------|--------------------|--------------------|--------------------|--------------------|-----------|
|   |       |      | Setup remote server | 3 | | | | |
|   |       |      | Save flag info | 2 | | | | |
|   |       |      | Duplicate file uploads | 3 | | | | |
|   |       |      | Queue job from frontend | 3 | | | | |
|   |       |      | Submit form refresh | 3 | | | | |
|   |       |      | Emba main dashboard | 8 | | | | |
|   |       |      | Emba dashboard report download | 5 | | | | |