

|         | Erik   |   | Maria  |  | Reid   |   | Sammie |  |  |  |  |  |  |  |  |
|---------|--------|---|--------|--|--------|---|--------|--|--|--|--|--|--|--|--|
|         | Hours: | Notes:  | Hours: | Notes:   | Hours: | Notes:                                    | Hours: | Notes:   |  |  |  |  |  |  |  |
| Sep. 7  |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 8  |        | 2 Pitch brainstorming   |        |  |        | 2 Pitch brainstorming                     |        | 2 Pitch brainstorming                                    |  |  |  |  |  |  |  |
| Sep. 9  |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 10 |        | 3 Feasibility: Vert.x vs Play   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 11 |        | 3 Pitch Presentation & document   |        |  |        | 3 Pitch Presentation & document           |        | 3 Pitch Presentation & document                          |  |  |  |  |  |  |  |
| Sep. 12 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 13 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 14 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 15 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 16 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 17 |        | 5 Redis Research  |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 18 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 19 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 20 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 21 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 22 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 23 |        |   |        |  |        | 2 Facebook API research                   |        |  |  |  |  |  |  |  |  |
| Sep. 24 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 25 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 26 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 27 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 28 |        | 2 Requirements, vision & scope  |        | 2 Requirements, vision, and scope                          |        | 3 Product Plan & Requirements Doc         |        | 2 Requirements, vision, and scope                        |  |  |  |  |  |  |  |
| Sep. 29 |        |   |        | 2 R.v.s. document  |        |   |        |  |  |  |  |  |  |  |  |
| Sep. 30 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 1  |        | 2 Play, Redis & Protobuf research   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 2  |        | 3 Play, Redis & Protobuf research   |        |  |        | 3 Facebook & Twitter API research         |        |  |  |  |  |  |  |  |  |
| Oct. 3  |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 4  |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 5  |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 6  |        | 2 Meeting Post-mortem & planning  |        | 3 updating use cases                                       |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 7  |        | 2 Docker, Protobuf research   |        | 2 Meeting Post-mortem & planning                           |        | 2 Meeting Post-mortem & planning          |        | 2 Meeting Post-mortem & planning                         |  |  |  |  |  |  |  |
| Oct. 8  |        |   |        | 2 researching APIs   |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 9  |        | Play Framework Setup & Templating research  |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 10 |        | 1 Requirements, vision & scope edits  |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 11 |        | 1 Requirements, vision & scope edits  |        | 2 updating use cases and requirements doc                  |        | 1 Requirements Doc Editing                |        | 2 API Research   |  |  |  |  |  |  |  |
| Oct. 12 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 13 |        |   |        | 2 Working on design document                               |        | 2 Working on design document              |        |  |  |  |  |  |  |  |  |
| Oct. 14 |        |   |        |  |        |   |        | 2 Play, Redis, Scala research                            |  |  |  |  |  |  |  |
| Oct. 15 |        |   |        | 3 Working on design document                               |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 16 |        | 2 Working on design document  |        |  |        | 3 Working on design document              |        | 3 Working on design document/Research on front end       |  |  |  |  |  |  |  |
| Oct. 17 |        | Working on design document & researching Protobuf   |        | 2 updating local environment and researching APIs          |        |   |        | 2 Working on design document                             |  |  |  |  |  |  |  |
| Oct. 18 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 19 |        |   |        | 4 setting up local environment and backend design          |        | 2 Data collection & FB query designs      |        | 4 Data collection design + Facebook/Twitter API research |  |  |  |  |  |  |  |
| Oct. 20 |        | Backend class design & skeleton   |        | 2 Backend class design & skeleton                          |        | 3 Data collection skeleton implementation |        | 1 Play Framework Setup                                   |  |  |  |  |  |  |  |
| Oct. 21 |        | 2 Implementation  |        | 2 Implementation   |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 22 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 23 |        | Protobuf design & compilation, data store design, data access design & implementation, backend 8 implementation   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 24 |        |   |        | 2 Working on http get and data serialization               |        | 2.5 Data collection impl                  |        |  |  |  |  |  |  |  |  |
| Oct. 25 |        | 1 Travis CI & slack github notification setup   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 26 |        | 4 Resolving compilation issues, Travis CI integration & slack notifications, documentation of Data tier design, data tier prototype implementation, test plan doc |        |  |        | 1.5 Data collection impl                  |        | 5 API, Data Collection impl                              |  |  |  |  |  |  |  |
| Oct. 27 |        | Data tier impl, migration to github org, javascript protobuf compilation, test 7 plan doc   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Oct. 28 |        | 4 Test plan doc   |        | 3 Test plan document                                       |        | 3 Data collection impl                    |        | 3 Data Collection impl                                   |  |  |  |  |  |  |  |
| Oct. 29 |        |   |        |  |        | 3 Test plan doc                           |        |  |  |  |  |  |  |  |  |
| Oct. 30 |        |   |        | 4 Working on HTTP GET request                              |        | 4 TwitterSource Impl & Testing            |        | 4 Data Collection impl                                   |  |  |  |  |  |  |  |
| Oct. 31 |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Nov. 1  |        |   |        |  |        | 4 TwitterSource Impl & Testing            |        |  |  |  |  |  |  |  |  |
| Nov. 2  |        | 3 Data Tier re-design, refactor, and unit tests   |        | 5 Working on HTTP GET request and 5 protobuf serialization |        | 3 TwitterSource Impl & Testing            |        | 2.5 Refactoring code                                     |  |  |  |  |  |  |  |
| Nov. 3  |        | 5 Data Tier unit tests & refactoring, recompiling protobuf, redis config  |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Nov. 4  |        | 2 Data Tier unit tests & refactoring, git docs, travis configs, sorting node design   |        | 4 Working on creating and displaying test data             |        |   |        |  |  |  |  |  |  |  |  |
| Nov. 5  |        |   |        |  |        |   |        |  |  |  |  |  |  |  |  |
| Nov. 6  |        |   |        |  |        | 3 Data collector impl using TwitterSource |        |  |  |  |  |  |  |  |  |
| Nov. 7  |        | 5 Data Tier post-review changes, protobuf js compilation, parsing, & research, code review, admin tasks   |        | 6 Working on protobuf data serialization and front end UI  |        | 2 Data collector impl using TwitterSource |        |  |  |  |  |  |  |  |  |

|        | Pre-sprint 1 | Sprint 1 | Sprint 2 | Sprint 3 | Sprint 4 | Sprint 5 |
|--------|--------------|----------|----------|----------|----------|----------|
| TOTAL  | 25           | 37       | 59       | 82.5     | 165      | 26       |
| Erik   | 13           | 14       | 19       | 26       | 67       | 6        |
| Maria  |              | 11       | 15       | 18       | 33       | 2        |
| Reid   | 7            | 8        | 11       | 24       | 31       | 6        |
| Sammie | 5            | 4        | 14       | 14.5     | 34       | 12       |

| Pre-Project                             | Sept. 7 - Sept. 25 | Erik | Maria | Reid | Sammie |
|---|--------------------|------|-------|------|--------|
| Pitch Brainstorming                     |                    | 2    |       | 2    | 2      |
| Feasibility Research                    |                    | 3    |       |      |        |
| Design Document & Presentation          |                    | 3    |       | 3    | 3      |
| Redis Research                          |                    | 5    |       |      |        |
| API Research                            |                    |      |       | 2    |        |
| TOTAL                                   |                    | 13   |       | 7    | 5      |
| Sprint 1                                | Sept. 26 - Oct. 9  |      |       |      |        |
| Research Redis                          |                    | 2    |       |      |        |
| Research Play Framework                 |                    | 5    |       |      |        |
| Research Protocol Buffers (Protobuf)    |                    | 3    |       |      |        |
| Research APIs                           |                    |      | 2     | 3    |        |
| Use Case Details                        |                    |      | 5     |      |        |
| Product Vision                          |                    | 4    | 6     | 5    | 4      |
| TOTAL                                   |                    | 14   | 13    | 8    | 4      |
| Sprint 2                                | Oct. 10 - Oct. 23  |      |       |      |        |
| Make a prototype to display data        |                    |      |       |      |        |
| Design a data collector                 |                    |      |       | 5    | 5      |
| Design a backend API/service            |                    | 2    | 6     |      |        |
| Make a nice backend diagram             |                    | 2    | 3     | 1    |        |
| Make a nicer frontend UI mockup         |                    |      |       |      |        |
| Start a design doc                      |                    | 5    | 4     | 5    | 5      |
| Research Play Framework                 |                    |      |       |      | 2      |
| Research Protocol Buffers (Protobuf)    |                    | 2    |       |      |        |
| Research APIs                           |                    |      | 2     |      | 2      |
| TOTAL                                   |                    |      | 11    | 15   | 11     |
| Sprint 3                                | Oct. 24 - Nov. 6   |      |       |      |        |
| Implement front-end                     |                    |      | 15    |      |        |
| Data Scoring                            |                    |      |       |      |        |
| Data Sorting                            |                    | 1.5  |       |      |        |
| Data Collection                         |                    | 13   |       | 21   | 14.5   |
| Design Test Plan                        |                    | 6    | 3     |      |        |
| Set up Deployment structure             |                    | 2.5  |       |      |        |
| Protobuf Schema                         |                    | 3    |       |      |        |
| TOTAL                                   |                    | 26   | 18    | 21   | 14.5   |
| Sprint 4                                | Nov. 7 - Nov. 20   |      |       |      |        |
| Implement front-end                     |                    | 5    | 33    | 2    | 15     |
| Data Sorting by top and trending        |                    | 32   |       |      |        |
| Data Collection                         |                    | 16   |       | 29   | 19     |
| Production Environment Setup            |                    | 14   |       |      |        |
| TOTAL                                   |                    | 67   | 33    | 31   | 34     |
| Sprint 5                                | Nov. 21 - Dec. 2   |      |       |      |        |
| Implement front-end                     |                    |      |       |      |        |
| Data sorting by top, trending & hashtag |                    |      |       |      | 5      |
| Data collection                         |                    |      |       |      |        |
| Doc Refactor                            |                    |      |       |      |        |
| TOTAL                                   |                    | 0    | 0     | 0    | 5      |

[illegible]