| ID                     | Description   | Remaining effort in sprint (days) |      |      |   |       |     |     |     |   |      |
|------------------------|---|-----------------------------------|------|------|---|-------|-----|-----|-----|---|------|
|                        |   | 1                                 | 2    | 3    | 4 | 5     | 6   | 7   | 8   | 9 | 10   |
| $\mathbf{x}$           | Meetings  | 0                                 | 0    | 0    | 0 | 12    | 0   | 0   | 0   | 0 | 6    |
| $\mathbf{x}$           | Planning  | 18                                | 0    | 12   | 0 | 0     | 12  | 0   | 12  | 0 | 12   |
| 3                      | User can see his personalia                                   | 0.25                              | 0    | 4    | 0 | 1     | 0   | 0   | 0   | 1 | 0    |
|                        | Find graph libary   | 0.25                              | 0    | 0    | 0 | 0     | 0   | 0   | 0   | 0 | 0    |
|                        | Add profile fields  | 0                                 | 0    | 0    | 0 | 1     | 0   | 0   | 0   | 1 | 0    |
|                        | Learn to use graph library and set it up                      | 0                                 | 0    | 4    | 0 | 0     | 0   | 0   | 0   | 0 | 0    |
| 40                     | User has a log in screen                                      | 0.5                               | 0    | 0    | 0 | 1     | 0   | 0   | 0   | 0 | 0    |
|                        | Placeholder log in screen                                     | 0.5                               | 0    | 0    | 0 | 1     | 0   | 0   | 0   | 0 | 0    |
| 41                     | User has a usage tab  | 1.5                               | 0    | 0    | 0 | 1     | 2   | 0   | 0.5 | 4 | 0    |
|                        | Graph showing total usage                                     | 0                                 | 0    | 0    | 0 | 0     | 0   | 0   | 0   | 4 | 0    |
|                        | Buttons for changing views to 'last twelve months'            | 0                                 | 0    | 0    | 0 | 0     | 0   | 0   | 0.5 | 0 | 0    |
|                        | Buttons for changing views to 'show devices' and the fragment | 0                                 | 0    | 0    | 0 | 1     | 0   | 0   | 0   | 0 | 0    |
|                        | Familiarize with the code and what we should do from here     | 0                                 | 0    | 0    | 0 | 0     | 2   | 0   | 0   | 0 | 0    |
|                        | Implement to all activites                                    | 1.5                               | 0    | 0    | 0 | 0     | 0   | 0   | 0   | 0 | 0    |
| 43                     | User menu has a search field                                  | 0                                 | 0    | 1    | 0 | 0     | 0   | 0   | 0   | 0 | 0    |
|                        | Search bar in the drawer                                      | 0                                 | 0    | 1    | 0 | 0     | 0   | 0   | 0   | 0 | 0    |
| 44                     | User has a app on android to start                            | 0.25                              | 0    | 2    | 0 | 10.85 | 0   | 0   | 0   | 0 | 1.5  |
|                        | Create the project files                                      | 0.25                              | 0    | 0    | 0 | 0     | 0   | 0   | 0   | 0 | 0    |
|                        | Localization  | 0                                 | 0    | 0    | 0 | 0.1   | 0   | 0   | 0   | 0 | 0    |
|                        | Add all fragments   | 0                                 | 0    | 0    | 0 | 0.75  | 0   | 0   | 0   | 0 | 0    |
|                        | Get development tools up and running                          | 0                                 | 0    | 0    | 0 | 6     | 0   | 0   | 0   | 0 | 0    |
|                        | Set up dev. environment for application                       | 0                                 | 0    | 2    | 0 | 4     | 0   | 0   | 0   | 0 | 1.5  |
| 47                     | Mid-term report   | 2.5                               | 0.25 | 0.75 | 3 | 0     | 5   | 6   | 7.1 | 0 | 5.25 |
|                        | Add listings in table of contents                             | 0                                 | 0    | 0    | 0 | 0     | 2.5 | 0   | 1.5 | 0 | 0    |
|                        | Test plan   | 0                                 | 0    | 0    | 0 | 0     | 0   | 2.5 | 0   | 0 | 0    |
|                        | project management  | 1.5                               | 0.25 | 0.75 | 0 | 0     | 0   | 0   | 0   | 0 | 2.25 |
|                        | Use case  | 0                                 | 0    | 0    | 0 | 0     | 2.5 | 0   | 2   | 0 | 0    |
| Continued on next page |   |                                   |      |      |   |       |     |     |     |   |      |

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| ID | Description  | Remaining effort in sprint (days) |   |   |   |     |     |      |      |   |     |
|----|--|-----------------------------------|---|---|---|-----|-----|------|------|---|-----|
|    |  | 1                                 | 2 | 3 | 4 | 5   | 6   | 7    | 8    | 9 | 10  |
|    | Update programs and tools used   | 0                                 | 0 | 0 | 0 | 0   | 1   | 0    | 0    | 0 | 1.5 |
|    | revise non-functional requirements   | 0                                 | 0 | 0 | 0 | 0   | 0   | 0    | 0    | 0 | 0.5 |
|    | Formalize the functional requirements and add use case text to LaTeX                             | 1                                 | 0 | 0 | 0 | 0   | 0   | 1.25 | 1.75 | 0 | 0   |
|    | Updated risk analysis  | 0                                 | 0 | 0 | 3 | 0   | 0   | 0    | 0    | 0 | 0   |
|    | Check if tasks in sprint 1 are assigned to correct persons                                       | 0                                 | 0 | 0 | 0 | 0   | 0   | 1    | 0    | 0 | 0   |
|    | General layout   | 0                                 | 0 | 0 | 0 | 0   | 0   | 0.25 | 1.1  | 0 | 0.5 |
|    | Write about how the team is going to compensate for the lost days caused by field trip to China. | 0                                 | 0 | 0 | 0 | 0   | 0   | 1    | 0    | 0 | 0   |
|    | Explain more throughy about the planning poker   | 0                                 | 0 | 0 | 0 | 0   | 0   | 0    | 0.25 | 0 | 0   |
|    | Separate general Scrum-<br>material from sprint specific<br>Scrum-material                       | 0                                 | 0 | 0 | 0 | 0   | 0   | 0    | 0.5  | 0 | 0   |
|    | Write about non-functional requirements and how we are going to test them                        | 0                                 | 0 | 0 | 0 | 0   | 0   |      | 0    | 0 | 0.5 |
| 48 | Server   | 0                                 | 0 | 4 | 2 | 6   | 4.5 | 0    | 13   | 0 | 7.5 |
|    | Create server project  | 0                                 | 0 | 2 | 0 | 0   | 0   | 0    | 0    | 0 | 0   |
|    | Add database functionality to server   | 0                                 | 0 | 2 | 0 | 0   | 0   | 0    | 0    | 0 | 0   |
|    | Design server database layout  | 0                                 | 0 | 0 | 0 | 0.5 | 0.5 | 0    | 0.5  | 0 | 1   |
|    | Design internal server structure   | 0                                 | 0 | 0 | 0 | 1.5 | 0   | 0    | 7.5  | 0 | 0   |
|    | Find server software   | 0                                 | 0 | 0 | 2 | 0   | 0   | 0    | 0    | 0 | 0   |
|    | Implement client connection  | 0                                 | 0 | 0 | 0 | 0   | 4   | 0    | 0    | 0 | 0   |
|    | Reading documentation  | 0                                 | 0 | 0 | 0 | 4   | 0   | 0    | 0.5  | 0 | 0   |
|    | Research Dropwizard  | 0                                 | 0 | 0 | 0 | 0   | 0   | 0    | 0.5  | 0 | 0   |
|    | Write tests  | 0                                 | 0 | 0 | 0 | 0   | 0   | 0    | 4    | 0 | 0   |
|    | Add client side methods  | 0                                 | 0 | 0 | 0 | 0   | 0   | 0    | 0    | 0 | 4   |
|    | Server debugging   | 0                                 | 0 | 0 | 0 | 0   | 0   | 0    | 0    | 0 | 2.5 |

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Table 1- continued from previous page

| ID | Description   | Remaining effort in sprint (days) |      |       |   |       |     |   |      |      |       |
|----|---|-----------------------------------|------|-------|---|-------|-----|---|------|------|-------|
|    |   | 1                                 | 2    | 3     | 4 | 5     | 6   | 7 | 8    | 9    | 10    |
| 49 | User can plot in data   | 0                                 | 0.75 | 0     | 0 | 0     | 1.5 | 0 | 9    | 1.5  | 0     |
|    | User can add energy data  | 0                                 | 0    | 0     | 0 | 0     | 0   | 0 | 9    | 0    | 0     |
|    | SQLlite database schema for energy data                         | 0                                 | 0    | 0     | 0 | 0     | 1.5 | 0 | 0    | 1.5  | 0     |
|    | Provider wrapped around energy DB                               | 0                                 | 0.75 | 0     | 0 | 0     | 0   | 0 | 0    | 0    | 0     |
| 50 | Design prototype for sprint 2 functionality                     | 0                                 | 0    | 1     | 0 | 1.5   | 0   | 0 | 0    | 0    | 0     |
|    | User has a menu   | 0                                 | 0    | 0.25  | 0 | 0     | 0   | 0 | 0    | 0    | 0     |
|    | User har usage graph  | 0                                 | 0    | 0.75  | 0 | 0     | 0   | 0 | 0    | 0    | 0     |
|    | Transferred prototype on paper onto computer (took pictures)    | 0                                 | 0    | 0     | 0 | 1.5   | 0   | 0 | 0    | 0    | 0     |
| 52 | User has device tab   | 0                                 | 0    | 0     | 0 | 0     | 0   | 0 | 3    | 11.5 | 0     |
|    | Create device list  | 0                                 | 0    | 0     | 0 | 0     | 0   | 0 | 0    | 3    | 0     |
|    | Making it possible to add devices to the list                   | 0                                 | 0    | 0     | 0 | 0     | 0   | 0 | 3    | 0    | 0     |
|    | Making it possible to add usage per device                      | 0                                 | 0    | 0     | 0 | 0     | 0   | 0 | 0    | 1    | 0     |
|    | Doing research about android components                         | 0                                 | 0    | 0     | 0 | 0     | 0   | 0 | 0    | 4    | 0     |
|    | Making it possible to see detailes on each device from the list | 0                                 | 0    | 0     | 0 | 0     | 0   | 0 | 0    | 3.5  | 0     |
|    | SUM   | 23                                | 1    | 24.75 | 5 | 33.35 | 26  | 6 | 44.6 | 18   | 32.25 |

Table 1: Sprint 2 backlog