**Release and Iteration Plans**

**Team Name**

|  |  |
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Version:

Date:

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Release Plan

# Release 1

Delivery date: Total Story Points:

Short paragraph summarising the goals for this release.

## Basic Solar Panel Cost Output

The system will be able to take the raw input from a user and display a basic cost analysis based on the input. This input will be all from the user. This will not give the user any options from the database. They will enter all the costs and kW values. The output what the system can produce, how much the system will cost and how much the system will save the user.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 1 | Hardware cost input | 1 |
| 3 | System size input | 1 |
| 5 | Input panel distribution | 1 |
| 7 | Input efficiency loss data | 1 |
| 9 | Panel lifetime input | 1 |
| 12 | Tariff rate input | 1 |
| 15 | Input inverter efficiency | 1 |
| 17 | Daily power usage input | 1 |
| 18 | Average daytime hourly power usage | 1 |
| 19 | Inverter lifetime input | 1 |
| 20 | Monthly power usage input | 1 |
| 29 | Display monthly savings | 1 |
|  | Story Point Sub-Total: | 12 |

## Improve user interface

The system will give the user options from the database so they can create a solution based on existing equipment. This will allow a user to select a more realistic solution with current technology limitations in place. The user will still be able to enter their own values if the desire.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 2 | Hardware cost fetching | 2 |
| 4 | System size fetching | 2 |
| 6 | Efficiency loss calculation | 2 |
| 8 | Efficiency loss data fetching | 4 |
| 16 | Factoring in inverter cost | 1 |
| 21 | Auto-fill roof area percentages | 1 |
| 30 | Display cumulative annual savings | 1 |
|  | Story Point Sub-Total: | 13 |

# Release 2

Delivery date: Total Story Points:

Short paragraph summarising the goals for this release.

## Feature Title 1

Short paragraph summarising this feature and its business value.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
| 10 | Panel lifetime fetching | 2 |
| 11 | Efficiency estimation | 4 |
| 13 | Tariff rate fetching | 4 |
| 25 | Location input | 4 |
| 26 | Location fetching | 2 |
|  |  |  |
|  | Story Point Sub-Total: | 16 |

## Feature Title 2

Short paragraph summarising this feature and its business value.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
|  |  |  |
|  |  |  |
|  | Story Point Sub-Total: |  |

# Release 3

Delivery date: Total Story Points:

Short paragraph summarising the goals for this release.

## Feature Title 1

Short paragraph summarising this feature and its business value.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
|  |  |  |
|  |  |  |
|  | Story Point Sub-Total: |  |

## Feature Title 2

Short paragraph summarising this feature and its business value.

|  |  |  |
| --- | --- | --- |
| Story ID | Story Title | Story Points |
|  |  |  |
|  |  |  |
|  | Story Point Sub-Total: |  |

# Delivery Schedule

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Week 6  Aug. 28/29 | Week 7  Sep. 4/5 | Week 8  Sep. 11/12 | Week 9  Sep. 18/19 | Mid-Semester Break | Week 10  Oct. 2/3 | Week 11  Oct. 9/10 | Week 12  Oct. 16/17 | Week 13  Oct. 23/24 |
| Iteration 1 | | Iteration 2 | | Iteration 3 | | Iteration 4 | |
| Release 1  Sept. 18 / 19 | | | | Release 2  Oct. 23 / 24 | | | |

## 

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| Iteration 1 | |  | |  | |  | |
| Release 3, 4, … | | | | | | | |

## Estimated Velocity:

Iteration Plan

# Iteration 1

Total Story Points: 12 Total Hours:

## Current Velocity:

## Story 1: Hardware cost input

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create a simple GUI to input the data | 0.5 hours |  |
| 2 | Create class business layer to hold data | 0.5 hours |  |
|  |  |  |  |
|  | Story Points: 1 Total Hours: | 1 |  |

## Story 3: System size input

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create a simple GUI to input the data | 0.5 hours | 1 |
| 2 | Create class business layer to hold data | 0.5 hours | 2 |
|  |  |  |  |
|  | Story Points: 1 Total Hours: | 1 |  |

## Story 5: Input panel distribution

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create a simple GUI to input the data | 0.5 hours | 1 |
| 2 | Create class business layer to hold data | 0.5 hours | 2 |
|  |  |  |  |
|  | Story Points: 1 Total Hours: | 1 |  |

## Story 7: Input efficiency loss data

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create a simple GUI to input the data | 0.5 hours | 1 |
| 2 | Create class business layer to hold data | 0.5 hours | 2 |
|  |  |  |  |
|  | Story Points: 1 Total Hours: | 1 |  |

## Story 9: Panel lifetime input

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create a simple GUI to input the data | 0.5 hours |  |
| 2 | Create class business layer to hold data | 0.5 hours |  |
|  |  |  |  |
|  | Story Points: 1 Total Hours: |  |  |

## Story 12: Tariff rate input

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create a simple GUI to input the data | 0.5 hours |  |
| 2 | Create class business layer to hold data | 0.5 hours |  |
|  |  |  |  |
|  | Story Points: 1 Total Hours: |  |  |

## Story 15: Input inverter efficiency

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create a simple GUI to input the data | 0.5 hours |  |
| 2 | Create class business layer to hold data | 0.5 hours |  |
|  |  |  |  |
|  | Story Points: 1 Total Hours: |  |  |

## Story 17: Daily power usage input

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create a simple GUI to input the data | 0.5 hours |  |
| 2 | Create class business layer to hold data | 0.5 hours |  |
|  |  |  |  |
|  | Story Points: 1 Total Hours: |  |  |

## Story 18: Average daytime hourly power usage

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create a simple GUI to input the data | 0.5 hours |  |
| 2 | Create class business layer to hold data | 0.5 hours |  |
|  |  |  |  |
|  | Story Points: 1 Total Hours: |  |  |

## Story 19: Inverter lifetime input

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create a simple GUI to input the data | 0.5 hours |  |
| 2 | Create class business layer to hold data | 0.5 hours |  |
|  |  |  |  |
|  | Story Points: 1 Total Hours: |  |  |

## Story 20: Monthly power usage input

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create a simple GUI to input the data | 0.5 hours |  |
| 2 | Create class business layer to hold data | 0.5 hours |  |
|  |  |  |  |
|  | Story Points: 1 Total Hours: |  |  |

## Story 29: Display monthly savings

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Create a simple GUI to input the data | 0.5 hours |  |
| 2 | Create class business layer to hold data | 0.5 hours |  |
|  |  |  |  |
|  | Story Points: Total Hours: |  |  |

# Iteration 2

Total Story Points: 13 Total Hours:

## Current Velocity:

## Story 2: Hardware cost fetching

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Researching (Find the data) | 1 hour |  |
| 2 |  |  |  |
|  |  |  |  |
|  | Story Points: 2 Total Hours: |  |  |

## Story 4: System size fetching

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Researching (Finding the data) | 1 hour |  |
| 2 |  |  |  |
|  |  |  |  |
|  | Story Points: 2 Total Hours: |  |  |

## Story 6: Efficiency loss calculation

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 |  |  |  |
| 2 |  |  |  |
|  |  |  |  |
|  | Story Points: 2 Total Hours: |  |  |

## Story 8: Efficiency loss data fetching

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Researching (Finding the data) | 1 |  |
| 2 |  |  |  |
|  |  |  |  |
|  | Story Points: 4 Total Hours: |  |  |

## Story 16: Factoring in inverter cost

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 |  |  |  |
| 2 |  |  |  |
|  |  |  |  |
|  | Story Points: 1 Total Hours: |  |  |

## Story 21: Auto-fill roof area percentages

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Code in calculation | 0.5 hours |  |
| 2 |  |  |  |
|  |  |  |  |
|  | Story Points: 1 Total Hours: |  |  |

## Story 30: Display cumulative annual savings

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 |  |  |  |
| 2 |  |  |  |
|  |  |  |  |
|  | Story Points: 1 Total Hours: |  |  |