**Agile Epic Requirements
Template – Example**

# 1. Epic Overview

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| EPIC NAME |
| Real-Time Charging Station Monitoring |
| EPIC OWNER | EPIC ID | CREATION DATE | LAST UPDATED |
| Alexandra Mattson | PC-EPIC-001 | 07/22/20XX | 07/22/20XX |

# 2. Epic Description

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| SUMMARY |
| Implement a real-time monitoring system for EV-charging stations to provide instant status updates and alerts. |
| DETAILS |
| This epic involves developing a robust monitoring solution that integrates with all charging stations, enabling real-time data collection and analysis. The system will display station availability, charging status, and performance metrics on a centralized dashboard. |
| GOALS |
| – Enhance operational efficiency by providing up-to-date station information.– Improve user satisfaction with real-time availability updates.– Enable proactive maintenance by identifying potential issues early. |

# 3. Business Case

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| VALUE PROPOSITION |
| The real-time monitoring system will increase the efficiency and reliability of our EV-charging network, leading to higher customer satisfaction and reduced downtime. |
| SUCCESS CRITERIA |
| – Achieve 95% accuracy in real-time status updates.– Reduce downtime by 20%.– Receive positive feedback from at least 80% of users in post-implementation surveys. |
| DEPENDENCIES |
| – Complete the API integration with charging stations.– Make real-time data available from all stations. |

# 4. Scope and Boundaries

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| IN SCOPE |
| – Develop a real-time monitoring dashboard.– Integrate the new system with existing charging stations.– Set up an alert and notification system for station status changes. |
| OUT OF SCOPE |
| – Integrate the new system with charging stations that are not yet deployed.– Create any features unrelated to monitoring. |

# 5. Acceptance Criteria

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| CONDITIONS OF SATISFACTION |
| – The dashboard must display real-time status updates with less than a five-second delay.– The system must send alerts for any significant status changes or issues. |
| DEFINITION OF DONE (DoD) |
| – Code is reviewed and approved.– All unit and integration tests are passed.– User documentation is updated.– Stakeholder approval is obtained. |

# 6. User Stories and Tasks

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| USER STORIES |

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| User Story ID | Story Name |
| PC-US-001 | View Charging Station Status |
| User Story Description |
| As a user, I want to view the current status of charging stations in real time so that I can find an available station quickly. |
| Acceptance Criteria |
| The dashboard must show the real-time status of each station. |

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| User Story ID | Story Name |
| PC-US-002 | Receive Status Alerts |
| User Story Description |
| As a maintenance team member, I want to receive alerts when a station goes offline so that I can address issues promptly. |
| Acceptance Criteria |
| The system must send alerts within one minute of a status change. |

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| TASKS |
| Task ID | Task Name | Description |
| PC-TASK-001 | Develop Real-Time API Integration | Create an API to collect real-time data from charging stations. |
| PC-TASK-002 | Build Monitoring Dashboard | Develop a user interface to display real-time data. |
| PC-TASK-003 | Implement Alert System | Create a system to send alerts based on predefined conditions. |
| PC-TASK-004 | Conduct User Testing | Perform testing with a select group of users to gather feedback and identify issues. |

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| 7. Timeline | CREATION DATE | CREATION DATE |
|  | Thursday, August 1, 20XX | Monday, September 30, 20XX |

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| MILESTONE | DATE OF MILESTONE |
| API Integration Complete | Thursday, August 15, 20XX |
| Dashboard Development Complete | Monday, September 2, 20XX |
| User Testing Complete | Friday, September 20, 20XX |
| Final Review and Sign-Off | Monday, September 30, 20XX |

# 8. Stakeholders

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| – Project Manager: Everett Crosse– Product Owner: Brooklyn Jansen– Development Team Lead: Henry McNeal– UAT Lead: Romy Bailey |

# 9. Risks and Assumptions

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| RISKS | MITIGATION PLANS | ASSUMPTIONS |
| Potential delays in data integration from charging stations may occur. | Hold regular status meetings to monitor progress and address issues promptly. | All charging stations are capable of providing real-time data. |
| Unforeseen technical challenges in real-time data processing may arise. | Allocate additional resources for data integration tasks. | Required APIs are available and functional. |

# 10. Resources

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| TEAM MEMBERS |
| NAME | TITLE |
| Henry McNeal | Development Team Lead |
| Jason Desjardins | Backend Developer |
| Makara McLean | Frontend Developer |
| Sasha Petrov | QA Engineer |
| TOOLS AND TECHNOLOGY |
| – API Gateway– Real-Time Data Processing Framework– Web Dashboard Framework |

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| 11. Progress Tracking | STATUS |
|  | In Progress |

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| PROGRESS UPDATES |
| API integration development started on August 1, 20XX. |
| Initial dashboard design completed on August 10, 20XX. |

# 12. Comments and Notes

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| Any additional notes or comments related to the epic can be added here for reference. |

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