**SCRUM IMPLEMENTATION PLAN**

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**Author:All team members**

**Date:13/11/2016**

**Revision history**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Notes** |
| **V1.0** | 13/11 | All team members | Created |
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# INTRODUCTION

## Purpose

This document shows the list of “ How-to” conduct daily work of scrum. This document includes:

* Requirement activities
* Architecture activities
* Design activities
* Coding activities
* Testing activities

## Audience

|  |
| --- |
| **Intended Audiences** |
| Customer |
| Mentor |
| Project owner |
| Imagineers team members |

# REQUIREMENT PLAN

## Detail description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Activity(ies)** | **Input/Outcome(s)** | **Technique(s)/Tool(s)** | **Template** |
| Develop Customer  Requirements | Elicitate the cusomer needs  Transform the needs into Customer Requirements | Input: Customer’s needs  Output: Business Requirement Document/User story | Brainstorming  Documentation | User story card |
| Develop Product  Requirements | Establish Product Requirements  Allocate Product-Component Requirements  Identify Interface Requirements | Input: Business Requirement Document/User story  Output: Software  Requirements  Specification/Interface Requirements | Documentation | SRS document  [Template\srs\_template-1.doc](Template/srs_template-1.doc) |
| Analyze and  Validate Requirements | Establish Operational Concepts and Scenarios  Establish a Definition of Required  Functionality and Quality Attributes  Analyze Functionality and Quality Attributes  Prioritize Functionality and Quality Attributes  Validate Functionality and Quality Attributes | Input: Software  Requirements  Specification  Output: Use cases  Prioritized use cases  Product backlog | Documentation  Estimation  Visual Studio Team Services | Visual Studio Team services-Productbacklog |
| Manage  Requirements | Obtain Commitment to Requirements  Manage  Requirements Changes  Maintain Traceability of Requirement  Ensure Alignement  between Project Work and  Requirements | Input: Product backlog  Output: Release planning meeting document  CR for scope change  Updated product backlog  Updated Release  plan/Release backlog,etc | Analyzing  Documentation | Visual Studio Team services |

# ARCHITECTURE MANAGEMENT PLAN

## Detail description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Activity(ies)** | **Input/Outcome(s)** | **Technique(s)/Tool(s)** | **Template** |
| Create/ Refine Architecture | Analyze the artifacts : Constaints, Quality Attribute, High level functional requirements. | Input:Project charter  Output:Scope | Documentation(Word)  Brainstorming | Project charter |
| Evaluate Architect | Evaluate Scope to find out list of architectural decisions | Input:Scope  Output:List of architectural decisions | Documentation(Word)  Brainstorming |  |
| Make selection | Team members a meeting minute to discuss to choose right decisions | Input:List of architectural decisions  Ouput:Product Architecture | Documentation(Word)  Brainstorming |  |

# DESIGN MANAGEMENT PLAN

## Detail description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Activity(ies)** | **Input/Outcome(s)** | **Technique(s)/Tool(s)** | **Template** |
| Select Criteria | Team will make standards for design. | Input:Product Architecture  Output:Design sketch | Documentation(Word)  Brainstorming | Design Management Plan.docx |
| Develop the design | From the design sketch to evaluate to create the high-level design | Input:Design sketch  Output:High-level design | Documentation(Word)  Brainstorming |  |
| Design product components | Team will make meeting minute to discuss how to decompose high-level design to product components design | Input:Architect management document  High-level design  Ouput:Product components design | Documentation(Word)  Brainstorming |  |

# CODE PLAN

## Detail description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Activity(ies)** | **Input/Outcome(s)** | **Technique(s)/Tool(s)** | **Template** |
| Training |  | Input:Product Architecture  Output:Design sketch | Documentation(Word)  Brainstorming |  |
| Assign tasks |  | Input:  Output:Member tasks | Documentation (Excel) |  |
| Create unit test |  | Input:Testplan document | Visual studio 2016 |  |
| Update code from repository |  | Output: Code | Visual studio 2016 |  |
| Coding |  | Input: Unit test  Output:Code file | Visual studio 2016 |  |
| Run unit test |  | Input:Code  Output:List pass/fail testcases | Visual studio 2016 |  |
| Commit code to repository |  | Input:Code | Visual studio 2016 |  |
| Review code |  | Input:Code | Visual studio 2016 |  |
| Code refactoring |  | Input:Code | Visual studio 2016 |  |

# TEST PLAN

## Detail Description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Activity(ies)** | **Input/Outcome(s)** | **Technique(s)/Tool(s)** | **Template** |
| Prepare for Validation | Select products for validation.  Establish the validation environment.  Establish validation procedures and criteria. | Input: User story.  Output: List test case. | Documentation(Word and Excel)  Brainstorming | Funtional Test Case. |
| Validate Product or Product Component | Perform validation.  Analyze validation results. | Input: Source code and List test case.  Output: Function complete. | Documentation(Word and Excel)  Brainstorming  Software | Test Report. |