**ITC303 – Team Orange Iteration Plan 1**

# **1. High Level Objectives/Milestones**

|  |  |  |
| --- | --- | --- |
| **ID** | **Objectives** | **Date** |
| - | Iteration start | 13/03/2017 |
| 1 | Create Vision | 13/03/2017 |
| 2 | Create Initial Use Case Model | 13/03/2017 |
| 3 | Create Initial Domain Model | 13/03/2017 |
| 4 | Identify Critical Core Use Case[s] | 13/03/2017 |
| 5 | Identify Candidate Architecture / Technology Platform | 13/03/2017 |
| 6 | Establish Development Environments | 13/03/2017 |
| 7 | Establish Version Control and Methodology | 13/03/2017 |
| 8 |  |  |
| 9 |  |  |
| - | Iteration End | 27/03/2017 |
| 10 | Review Iteration | 27/03/2017 |

# **2. Work Item assignments**

The following Work Items will be undertaken in this iteration to complete the above listed Milestones:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Milestone/Work Item ID** | **Work Items** | **Priority** | **Assigned to (name)** | **Completed by** | **Hours worked** | **Estimate of hours remaining** |
| 1.1 | Vision Business Case |  | Murray | 16/03/17 |  | 4 |
| 1.2 | Initial Functional Requirements |  | Shaun | 16/03/17 |  | 4 |
| 1.3 | Initial Non Functional Requirements |  | Tim | 16/03/17 |  | 4 |
| 2.1 | Initial Use Case Diagram |  | Tim | 20/03/17 |  | 2 |
| 3.1 | Initial Domain Model identify and document Server/Admin Components |  | Murray | 20/03/17 |  | 4 |
| 3.2 | Initial Domain Model identify and document Client Components |  | Shaun | 20/03/17 |  | 4 |
| 4.1 | Critical Core Use Case List |  | Tim | 20/03/17 |  | 2 |
| 5.1 | Identify and document Candidate Protocols and Architectures |  | Shaun | 24/03/17 |  | 4 |
| 5.2 | Identify and document Candidate Server Platforms |  | Murray | 24/03/17 |  | 4 |
| 5.3 | Identify and document Candidate Client API |  | Tim | 24/03/17 |  | 4 |
| 6.1 | Identify and document suitable Development Environments |  | Murray, Shaun, Tim | 24/03/17 |  | 2 |
| 6.2 | Install Development Environments on own computers |  | Murray, Shaun, Tim | 26/03/17 |  | 2 |
| 7.1 | Establish Version Control and Methodology |  | Murray, Shaun, Tim | 26/03/17 |  | 2 |

# **3. Issues**

|  |  |  |
| --- | --- | --- |
| **Issue** | **Status** | **Notes** |
| No issues identified at this stage |  |  |
|  |  |  |
|  |  |  |

# **4. Evaluation criteria**

|  |  |  |
| --- | --- | --- |
| **Milestone/Work Item ID** | **Work Item Deliverables (to be version controlled)** | **Done (✓)** |
| 1.1 | Business case is clear, address non-technical requirements, justifies the project, and identifies and defines stakeholders. |  |
| 1.2 | Functional requirements are clear, address business needs and details software characteristics. |  |
| 1.3 | All important non-functional requirements clearly defined and justified against business needs. |  |
| 2.1 | Identifies end-goals and sub-functions and consistent with vision. |  |
| 3.1 | All domain objects identified, all NFR addressed and justified, shows relationships between objects, shown inheritance and composition. |  |
| 3.2 | All domain objects identified, all NFR addressed and justified, shows relationships between objects, shown inheritance and composition. |  |
| 4.1 | Correctly identifies Critical Core Use Cases |  |
| 5.1 | Critical protocols and their mechanisms identified, implications explained and constraints identified; consistent with high priority NFRs. |  |
| 5.2 | Critical server components and their mechanisms identified, implications explained and constraints identified; consistent with high priority NFRs. |  |
| 5.3 | Critical client components and their mechanisms identified, implications explained and constraints identified; consistent with high priority NFRs. |  |
| 6.1 | Development Environments will facilitate the software development requirements. |  |
| 6.2 | Team Members have environments installed and working. |  |
| 7.1 | Version Control Systems and use Methodologies meet the needs software development requirements. |  |

**5. Assessment (To be completed in review)**

## **6.1 Work Items: Planned compared to actually completed (Version Control Link)**

1.1 **Vision:** We were satisfied with the maturity of the business case at this point in the project

1.2 **FRs**: Functional and non-functional requirements still need a little refinement

1.3 **NFRs:** At this stage we have something to work with – a good start

2.1 **Initial Use Case Diagram:** Possibly extend to include administration user cases

3.1 **Server Domain Model/Doco:** needs more work

3.2 **Initial Domain Model:** A good basis for further refinement

4.1 **Critical Use Cases:** We examined from an end-user perspective. From a development risk perspective there may be some additional considerations.

5.1 **Candidate Architecture:** Discussion was thorough. We have provided some justification for the planned roadmap.

5.2 **Candidate Server:** Candidate Server was covered in the architecture document

5.3 **Candidate API:** Candidate API was covered in the architecture document

6.1 **Development Environments:** This was discussed in Slack

6.2 **Install Dev Environments:** Completed

7.1 **Version Control:** GitHub exact methodology still being developed.

## **6.3 Assessment against Evaluation Criteria Test results**

We were satisfied with our results for this iteration – good progress was made on all fronts.

## **6.4 Other concerns and deviations**

No current concerns.