MBI/Versi Work Plan

# Version History

|  |  |  |  |
| --- | --- | --- | --- |
| Version Date | Revised By | Checked By | Description |
| 13/12/2011 | [Andrew.glenn@unimelb.edu.au](mailto:Andrew.glenn@unimelb.edu.au) |  | Top Level task breakdown |
| 14/2/2011 | [Andrew.glenn@unimelb.edu.au](mailto:Andrew.glenn@unimelb.edu.au) |  | Timeline Added |
|  |  |  |  |

Contents

[Version History 1](#_Toc311556477)

[1. Details of Work 3](#_Toc311556478)

[1.1 Documentation – specification and Requirements Envisioning 3](#_Toc311556479)

[1.1.1 Iteration 1 [ETA: 7/1/2012 – Iteration 1] 3](#_Toc311556480)

[1.1.2 Iteration 2: [ETA: 7/2/2012] 3](#_Toc311556481)

[1.1.3 Iteration 3: [ETA: 7/3/2012] 4](#_Toc311556482)

[1.1.4 Iteration 4: [ETA 7/4/2012] 4](#_Toc311556483)

[1.2 Documentation: Architectural Design document High level to class structure 5](#_Toc311556484)

[1.2.1 Iteration 1 [ETA: 14/1/2012] 5](#_Toc311556485)

[1.2.2 Iteration 2 [ETA: 14/2/2012] 5](#_Toc311556486)

[1.2.3 Iteration 3 [ETA 14/3/2012] 5](#_Toc311556487)

[1.2.4 Iteration 4 [ETA 14/4/2012] 5](#_Toc311556488)

[1.3 Project Plan – low level work items 6](#_Toc311556489)

[1.3.1 Iteration 1 High Level Tasks [ETA: 22/12/2011] 6](#_Toc311556490)

[1.3.2 Risk Assessment for new tasks [ETA:1/1/2012] 6](#_Toc311556491)

[1.3.3 Iteration 2 Work Plan [ETA: 1/1/2012] 6](#_Toc311556492)

[1.3.4 Risk Assessment for new tasks - 2 [ETA:1/2/2012] 6](#_Toc311556493)

[1.3.4 Iteration 3 work plan [ETA: 5/2/2012] 6](#_Toc311556494)

[1.3.5 Risk Assessment for new tasks - 3 [ETA:1/3/2012] 6](#_Toc311556495)

[1.3.6 Iteration 4 work plan [ETA: 5/3/2012] 6](#_Toc311556496)

[1.4 GUI Prototypes 7](#_Toc311556497)

[1.4.1 Iteration 1 – Task/Use Case based (Wireframes and then interactive interfaces) [ETA: 25/1/2012] 7](#_Toc311556498)

[1.4.2 Iteration 2 [ETA: 10/2/2012] 7](#_Toc311556499)

[1.4.3 Iteration 3-4 [ETA:30/2/2012] 7](#_Toc311556500)

[1.4.4 Refactoring TBA 7](#_Toc311556501)

[1.5 Implemented Object Model 8](#_Toc311556502)

[1.5.1 Service Layer Calls [ETA: 20/1/2011] 8](#_Toc311556503)

[1.5.2 Integration with pssd/DARIS [ETA: 1/2/2011] 8](#_Toc311556504)

[1.5.3 Interoperability [ETA: 15/3/2011] 8](#_Toc311556505)

[1.6 Testing TBA 8](#_Toc311556506)

[2. Timeline 9](#_Toc311556507)

[3. GANTT 9](#_Toc311556508)

[4. Risk Analysis 9](#_Toc311556509)

[5. Traceability 9](#_Toc311556510)

# 1. Details of Work

## 1.1 Documentation – specification and Requirements Envisioning

Deliverable Location: Global WIKI (TBC), Formal Document and Versi’s Jira Instance and

Approach: Agile Driven Modelling

### 1.1.1 Iteration 1 [ETA: 7/1/2012 – Iteration 1]

1. Information gathering from meetings, wiki and code
2. High level modelling of systems
3. Requirements envisioning for MBI
4. Research on interoperability and other systems
5. Definition of existing systems
6. Design of existing object model
7. Refinements
8. Quality guideline
9. Iteration 1 function points, tasks and user types
10. High level Use Cases
11. Details on Constraining Scope.
12. Sign-off is enough information to complete prototypes
13. Definition of Modelling Languages
14. Expected Development Tasks:
15. Environment setup
16. Rapid Prototyping
17. Basic Services
18. Risk Analysis and Feasibility

### 1.1.2 Iteration 2: [ETA: 7/2/2012]

* + 1. Service Layer Definitions
    2. Data Contracts
    3. Object Model Constraints
    4. Confirmed GUI design
    5. Details of Rapid Prototypes
    6. Expected Development Tasks:
       1. View Method
       2. Create Method
          1. Add Existing Step
          2. Create Basic Step
       3. Update Method
       4. Method Dashboard
    7. Low Level Use Cases
    8. Refactoring

### 1.1.3 Iteration 3: [ETA: 7/3/2012]

1. As for Iteration 2- parts i-v,vii,viii
2. Expected Development Tasks
   1. Remove Method
   2. Method Versioning
   3. Method Templating
   4. Method Instantiating
   5. Step Data insertion/update across Method
   6. Shared Steps
   7. Dynamic Steps

### 1.1.4 Iteration 4: [ETA 7/4/2012]

1. As for iteration 2 – parts i-v, vii,viii
2. Expected Development Tasks
   1. Method Searching
   2. Step Searching
   3. Method Tracking
   4. Method Cloning
   5. Multiple Method Selection

## 1.2 Documentation: Architectural Design document High level to class structure

Deliverable Location: Global WIKI (TBC), Formal Document and Versi’s Jira Instance

Approach: SysML - Iterative

### 1.2.1 Iteration 1 [ETA: 14/1/2012]

1. System Interfaces
2. Development Languages
3. Detailed Object Model
4. Design Decisions
5. High Level system Design (SOA/MVC)
6. Layer Design (N-TIER)
7. Subsystem structure and links to use cases
8. System Dependencies
9. GUI Widgets and language

### 1.2.2 Iteration 2 [ETA: 14/2/2012]

1. Class Diagram for subsystems
2. Software Design Patterns
3. Collaboration/Sequence Diagrams
4. State Charts – per task
5. Applies to all requirements on Iteration 2

### 1.2.3 Iteration 3 [ETA 14/3/2012]

1. As per Iteration 2 but applied to related requirements

### 1.2.4 Iteration 4 [ETA 14/4/2012]

1. As per Iteration 4 but applied to related requirements

## 1.3 Project Plan – low level work items

**Deliverable Location**: Global WIKI (TBC), Formal Document (this document) and Versi’s Jira Instance

**Approach**: AON/GANTT - Iterative

### 1.3.1 Iteration 1 High Level Tasks [ETA: 22/12/2011]

TBA

### 1.3.2 Risk Assessment for new tasks [ETA:1/1/2012]

TBA

### 1.3.3 Iteration 2 Work Plan [ETA: 1/1/2012]

TBA

### 1.3.4 Risk Assessment for new tasks - 2 [ETA:1/2/2012]

TBA

### 1.3.4 Iteration 3 work plan [ETA: 5/2/2012]

TBA

### 1.3.5 Risk Assessment for new tasks - 3 [ETA:1/3/2012]

TBA

### 1.3.6 Iteration 4 work plan [ETA: 5/3/2012]

TBA

## 1.4 GUI Prototypes

**Deliverable Location**: Wireframes hosted at Global WIKI (TBC), Versi’s Jira Instance. Prototypes hosted on both Versi Subversion and Florey Development Server.

**Approach**: GWT (Google Web Toolkit) and Wire frames(Visio/psd)

### 1.4.1 Iteration 1 – Task/Use Case based (Wireframes and then interactive interfaces) [ETA: 25/1/2012]

1. Create/Modify Method
2. View Method/s
3. Method/Project Dashboard
4. Track Method progress
5. Subject/method metadata creation
6. View Method Steps and Step Types
7. Step and Method Sharing
8. Search for Steps
9. Search for Methods
10. Update/Add Data for step

### 1.4.2 Iteration 2 [ETA: 10/2/2012]

1. Refactor All
2. Method Cloning
3. Add Step Data
4. Method Versioning
5. Method Templates

### 1.4.3 Iteration 3-4 [ETA:30/2/2012]

1. Refactor All
2. Shared Steps
3. Dynamic Steps
4. Step Plugins
5. Multiple Method Selection

### 1.4.4 Refactoring TBA

## 1.5 Implemented Object Model

**Deliverable Location**: Generalisations hosted on both Versi Subversion and Florey Development Server.

**Approach**: XML/postgreSQL

### 1.5.1 Service Layer Calls [ETA: 20/1/2011]

1. Requests/Responses
2. Data Generalisation(XML Defined)
3. Interface Data Model Details – raw service from charts in interface
4. Refactors
5. Authentication and ACL
6. Entity Relationship Description

### 1.5.2 Integration with pssd/DARIS [ETA: 1/2/2011]

1. Integration with TCL and MediaFlux
2. Model Refinement
3. Model Constraint Engineering
4. DICOM support
5. MetaData Extensibility
6. Entity Relationship description

### 1.5.3 Interoperability [ETA: 15/3/2011]

1. Data Map Description (E-R or Z)
2. XSL Transforms
3. Service Layer inheritance and extension
4. Tardis Support
5. XNat Support

## 1.6 Testing TBA

# 2. Timeline



# 3. GANTT (227 hours allocated) link for full size:



**Task Sheet Shown Below:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | | Task Name | | Duration | | | Start Date | | Finish Date | | | Dependency | | Resource | | | Outline Level | | | % Complete | | | Task Notes | | Actual Start | | | Actual Finish | | Actual Duration | | User Defined Number | | User Defined Time | | User Defined Text 1 | | User Defined Text 2 | User Defined Text 3 | User Defined Text 4 | User Defined Text 5 | User Defined Decimal | User Defined Duration |
| 1 | | Initial Phase | | 53 | | | 6/12/2011 8:00 | | 16/02/2012 16:00 | | |  | |  | | | 1 | | | 6 | | |  | | 6/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 2 | | Initial Phase Workplan | | 0.5 | | | 12/12/2011 8:00 | | 12/12/2011 12:00 | | |  | | arglenn | | | 2 | | | 100 | | |  | | 12/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 3 | | Project Plan Skeleton and breakdown | | 0.25 | | | 12/12/2011 8:00 | | 12/12/2011 10:00 | | |  | | arglenn | | | 2 | | | 100 | | |  | | 12/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 4 | | Systems Modelling | | 0.5 | | | 14/12/2011 8:00 | | 14/12/2011 12:00 | | | 5 | | arglenn | | | 2 | | | 0 | | |  | | 14/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 5 | | Meetings with Stakeholders | | 4 | | | 6/12/2011 8:00 | | 9/12/2011 16:00 | | |  | | arglenn | | | 2 | | | 100 | | |  | | 6/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 6 | | Object Model Breakdown | | 1 | | | 12/12/2011 12:00 | | 13/12/2011 12:00 | | | 5,2 | | arglenn | | | 2 | | | 0 | | |  | | 12/12/2011 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 7 | | Prototyping | | 30.875 | | | 14/12/2011 8:00 | | 25/01/2012 15:00 | | | 6 | |  | | | 2 | | | 0 | | |  | | 14/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 8 | | Prototyping – Method Dashboard | | 0.25 | | | 14/12/2011 8:00 | | 14/12/2011 10:00 | | |  | | arglenn | | | 3 | | | 0 | | |  | | 14/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 9 | | Prototyping – Method Template Creation | | 0.75 | | | 14/12/2011 12:00 | | 15/12/2011 10:00 | | | 8 | | arglenn | | | 3 | | | 0 | | |  | | 14/12/2011 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 10 | | Prototyping – Method Viewer | | 0.25 | | | 15/12/2011 12:00 | | 15/12/2011 14:00 | | | 9 | | arglenn | | | 3 | | | 0 | | |  | | 15/12/2011 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 11 | | Prototyping – Method Editor | | 0.125 | | | 16/12/2011 8:00 | | 16/12/2011 9:00 | | | 10 | | arglenn | | | 3 | | | 0 | | |  | | 16/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 12 | | Prototyping – Step Details | | 0.25 | | | 16/12/2011 9:00 | | 16/12/2011 11:00 | | | 11 | | arglenn | | | 3 | | | 0 | | |  | | 16/12/2011 9:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 13 | | Prototyping – Step MetaData | | 0.5 | | | 16/12/2011 12:00 | | 16/12/2011 16:00 | | | 12 | | arglenn | | | 3 | | | 0 | | |  | | 16/12/2011 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 14 | | Prototyping – Step Sharing | | 0.25 | | | 19/12/2011 8:00 | | 19/12/2011 10:00 | | | 13 | | arglenn | | | 3 | | | 0 | | |  | | 19/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 15 | | Prototyping – Step Search | | 0.25 | | | 19/12/2011 12:00 | | 19/12/2011 14:00 | | | 14 | | arglenn | | | 3 | | | 0 | | |  | | 19/12/2011 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 16 | | Prototyping – Method Instantiation | | 0.5 | | | 9/01/2012 12:00 | | 9/01/2012 16:00 | | | 15,41 | | arglenn | | | 3 | | | 0 | | |  | | 9/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 17 | | Prototyping – Method Sharing | | 0.125 | | | 10/01/2012 8:00 | | 10/01/2012 9:00 | | | 16 | | arglenn | | | 3 | | | 0 | | |  | | 10/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 18 | | Prototyping – Method Tracking | | 0.25 | | | 10/01/2012 9:00 | | 10/01/2012 11:00 | | | 17 | | arglenn | | | 3 | | | 0 | | |  | | 10/01/2012 9:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 19 | | Prototyping – Method Printing | | 0.125 | | | 10/01/2012 12:00 | | 10/01/2012 13:00 | | | 18 | | arglenn | | | 3 | | | 0 | | |  | | 10/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 20 | | Prototyping – Method Consumption | | 0.5 | | | 10/01/2012 13:00 | | 11/01/2012 9:00 | | | 19 | | arglenn | | | 3 | | | 0 | | |  | | 10/01/2012 13:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 21 | | Prototyping – Step Plugins | | 0.5 | | | 11/01/2012 9:00 | | 11/01/2012 13:00 | | | 20 | | arglenn | | | 3 | | | 0 | | |  | | 11/01/2012 9:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 22 | | Prototyping – Metadata Exstensions | | 0.5 | | | 11/01/2012 13:00 | | 12/01/2012 9:00 | | | 21,27 | | arglenn | | | 3 | | | 0 | | |  | | 11/01/2012 13:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 23 | | Prototyping – User Rights => Methods | | 0.25 | | | 12/01/2012 9:00 | | 12/01/2012 11:00 | | | 22 | | arglenn | | | 3 | | | 0 | | |  | | 12/01/2012 9:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 24 | | Prototyping – Project/Method Linking | | 0.25 | | | 12/01/2012 12:00 | | 12/01/2012 14:00 | | | 23 | | arglenn | | | 3 | | | 0 | | |  | | 12/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 25 | | Prototyping – Method/Subject Linking | | 0.375 | | | 13/01/2012 12:00 | | 13/01/2012 15:00 | | | 26 | | arglenn | | | 3 | | | 0 | | |  | | 13/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 26 | | Prototyping – Method/Data Linking | | 0.5 | | | 13/01/2012 8:00 | | 13/01/2012 12:00 | | | 24 | | arglenn | | | 3 | | | 0 | | |  | | 13/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 27 | | Xmas Break | | 9 | | | 23/12/2011 8:00 | | 4/01/2012 16:00 | | |  | | arglenn | | | 2 | | | 0 | | |  | | 23/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 28 | | Research – XNAG and TARDIS | | 0.75 | | | 6/01/2012 8:00 | | 6/01/2012 14:00 | | | 30 | | arglenn | | | 2 | | | 0 | | |  | | 6/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 29 | | Research - MediaFlux | | 0.75 | | | 20/12/2011 8:00 | | 20/12/2011 14:00 | | |  | | arglenn | | | 2 | | | 0 | | |  | | 20/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 30 | | Research - DARIS | | 0.75 | | | 21/12/2011 8:00 | | 21/12/2011 14:00 | | | 29 | | arglenn | | | 2 | | | 0 | | |  | | 21/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 31 | | Research – User Interfaces | | 1 | | | 9/01/2012 8:00 | | 9/01/2012 16:00 | | | 28 | | arglenn | | | 2 | | | 0 | | |  | | 9/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 32 | | Requirements Specification | | 25.25 | | | 22/12/2011 8:00 | | 26/01/2012 10:00 | | | 4 | | arglenn | | | 2 | | | 0 | | |  | | 22/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 33 | | Systems Model | | 0.5 | | | 22/12/2011 8:00 | | 22/12/2011 12:00 | | | 30 | | arglenn | | | 3 | | | 0 | | |  | | 22/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 34 | | System Interfaces | | 0.5 | | | 22/12/2011 12:00 | | 22/12/2011 16:00 | | | 33 | | arglenn | | | 3 | | | 0 | | |  | | 22/12/2011 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 35 | | System Roles | | 0.5 | | | 23/12/2011 8:00 | | 23/12/2011 12:00 | | | 34 | | arglenn | | | 3 | | | 0 | | |  | | 23/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 36 | | Data Contracts | | 0.5 | | | 23/12/2011 12:00 | | 23/12/2011 16:00 | | | 35 | | arglenn | | | 3 | | | 0 | | |  | | 23/12/2011 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 37 | | Object Model | | 0.5 | | | 5/01/2012 8:00 | | 5/01/2012 12:00 | | | 36,27 | | arglenn | | | 3 | | | 0 | | |  | | 5/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 38 | | Technology Constraints | | 0.375 | | | 5/01/2012 12:00 | | 5/01/2012 15:00 | | | 37 | | arglenn | | | 3 | | | 0 | | |  | | 5/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 39 | | Hardware Constraints | | 0.375 | | | 6/01/2012 8:00 | | 6/01/2012 11:00 | | | 38 | | arglenn | | | 3 | | | 0 | | |  | | 6/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 40 | | New System/Module Description | | 0.5 | | | 6/01/2012 12:00 | | 6/01/2012 16:00 | | | 39,12 | | arglenn | | | 3 | | | 0 | | |  | | 6/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 41 | | System Function Point Definitions | | 0.5 | | | 9/01/2012 8:00 | | 9/01/2012 12:00 | | | 40 | | arglenn | | | 3 | | | 0 | | |  | | 9/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 42 | | Acceptance Criteria | | 0.25 | | | 9/01/2012 12:00 | | 9/01/2012 14:00 | | | 41,27 | | arglenn | | | 3 | | | 0 | | |  | | 9/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 43 | | Success Criteria | | 0.25 | | | 10/01/2012 8:00 | | 10/01/2012 10:00 | | | 42 | | arglenn | | | 3 | | | 0 | | |  | | 10/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 44 | | Business Process | | 0.5 | | | 10/01/2012 12:00 | | 10/01/2012 16:00 | | | 43 | | arglenn | | | 3 | | | 0 | | |  | | 10/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 45 | | Business Needs | | 0.25 | | | 11/01/2012 8:00 | | 11/01/2012 10:00 | | | 44 | | arglenn | | | 3 | | | 0 | | |  | | 11/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 46 | | Requirements envisioning | | 0.25 | | | 11/01/2012 12:00 | | 11/01/2012 14:00 | | | 45 | | arglenn | | | 3 | | | 0 | | |  | | 11/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 47 | | Quality Guidelines | | 0.25 | | | 12/01/2012 8:00 | | 12/01/2012 10:00 | | | 46 | | arglenn | | | 3 | | | 0 | | |  | | 12/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 48 | | Feasibility and Risk Assessment | | 0.5 | | | 12/01/2012 12:00 | | 12/01/2012 16:00 | | | 47 | | arglenn | | | 3 | | | 0 | | |  | | 12/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 49 | | Existing Service Model | | 0.375 | | | 13/01/2012 8:00 | | 13/01/2012 11:00 | | | 48 | | arglenn | | | 3 | | | 0 | | |  | | 13/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 50 | | Support Requirements | | 0.25 | | | 13/01/2012 12:00 | | 13/01/2012 14:00 | | | 49 | | arglenn | | | 3 | | | 0 | | |  | | 13/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 51 | | Extensibility Support | | 0.25 | | | 16/01/2012 8:00 | | 16/01/2012 10:00 | | | 50 | | arglenn | | | 3 | | | 0 | | |  | | 16/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 52 | | Software Design – Initial | | 7 | | | 13/01/2012 8:00 | | 23/01/2012 16:00 | | |  | |  | | | 2 | | | 0 | | |  | | 13/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 53 | | High Level System Design – MVC/SOA | | 0.25 | | | 13/01/2012 8:00 | | 13/01/2012 10:00 | | | 48 | | arglenn | | | 3 | | | 0 | | |  | | 13/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 54 | | Subsystem/Component Definitions | | 0.25 | | | 13/01/2012 12:00 | | 13/01/2012 14:00 | | | 53 | | arglenn | | | 3 | | | 0 | | |  | | 13/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 55 | | Existing Object Model | | 0.25 | | | 16/01/2012 8:00 | | 16/01/2012 10:00 | | | 54 | | arglenn | | | 3 | | | 0 | | |  | | 16/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 56 | | Existing Class Structure | | 0.375 | | | 16/01/2012 12:00 | | 16/01/2012 15:00 | | | 55 | | arglenn | | | 3 | | | 0 | | |  | | 16/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 57 | | E-R Data Model | | 0.5 | | | 17/01/2012 8:00 | | 17/01/2012 12:00 | | | 56 | | arglenn | | | 3 | | | 0 | | |  | | 17/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 58 | | Data Model Compatibility | | 0.5 | | | 17/01/2012 12:00 | | 17/01/2012 16:00 | | | 57 | | arglenn | | | 3 | | | 0 | | |  | | 17/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 59 | | Service Defintitions | | 0.5 | | | 18/01/2012 8:00 | | 18/01/2012 12:00 | | | 58 | | arglenn | | | 3 | | | 0 | | |  | | 18/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 60 | | Authentication and ACL | | 0.5 | | | 18/01/2012 12:00 | | 18/01/2012 16:00 | | | 59 | | arglenn | | | 3 | | | 0 | | |  | | 18/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 61 | | Design Decisions | | 0.25 | | | 19/01/2012 8:00 | | 19/01/2012 10:00 | | | 60 | | arglenn | | | 3 | | | 0 | | |  | | 19/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 62 | | Control Flow – High Level | | 0.5 | | | 19/01/2012 12:00 | | 19/01/2012 16:00 | | | 61 | | arglenn | | | 3 | | | 0 | | |  | | 19/01/2012 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 63 | | Refactoring | | 2 | | | 26/01/2012 8:00 | | 27/01/2012 16:00 | | | 64 | | arglenn | | | 2 | | | 0 | | |  | | 26/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 64 | | Review | | 4 | | | 20/01/2012 8:00 | | 25/01/2012 16:00 | | | 52 | | sbennett | | | 2 | | | 0 | | |  | | 20/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 65 | | Set up development Environment | | 1 | | | 14/12/2011 12:00 | | 15/12/2011 12:00 | | | 66 | | arglenn | | | 2 | | | 0 | | |  | | 14/12/2011 12:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 66 | | Set up wiki | | 0.25 | | | 14/12/2011 9:00 | | 14/12/2011 11:00 | | | 67 | | arglenn | | | 2 | | | 0 | | |  | | 14/12/2011 9:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 67 | | Set up JIRA | | 0.125 | | | 14/12/2011 8:00 | | 14/12/2011 9:00 | | | 5 | | arglenn | | | 2 | | | 0 | | |  | | 14/12/2011 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 68 | | Iteration 2 | | 19 | | | 26/01/2012 8:00 | | 21/02/2012 16:00 | | | 64 | |  | | | 1 | | | 0 | | |  | | 26/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 69 | | Iteration 2 Workplan | | 1 | | | 26/01/2012 8:00 | | 26/01/2012 16:00 | | |  | |  | | | 2 | | | 0 | | |  | | 26/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 70 | | Requirements Modelling | | 8 | | | 27/01/2012 8:00 | | 7/02/2012 16:00 | | | 69 | |  | | | 2 | | | 0 | | |  | | 27/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 71 | | Task 70 | | 1 | | | 27/01/2012 8:00 | | 27/01/2012 16:00 | | |  | |  | | | 3 | | | 0 | | |  | | 27/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 72 | | Task 71 | | 1 | | | 30/01/2012 8:00 | | 30/01/2012 16:00 | | | 71 | |  | | | 3 | | | 0 | | |  | | 30/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 73 | | Task 72 | | 1 | | | 31/01/2012 8:00 | | 31/01/2012 16:00 | | | 72 | |  | | | 3 | | | 0 | | |  | | 31/01/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 74 | | Task 73 | | 1 | | | 1/02/2012 8:00 | | 1/02/2012 16:00 | | | 73 | |  | | | 3 | | | 0 | | |  | | 1/02/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 75 | | Task 74 | | 1 | | | 2/02/2012 8:00 | | 2/02/2012 16:00 | | | 74 | |  | | | 3 | | | 0 | | |  | | 2/02/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 76 | | Task 75 | | 1 | | | 3/02/2012 8:00 | | 3/02/2012 16:00 | | | 75 | |  | | | 3 | | | 0 | | |  | | 3/02/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 77 | | Software Design | | 8 | | | 6/02/2012 8:00 | | 15/02/2012 16:00 | | | 70 | |  | | | 2 | | | 0 | | |  | | 6/02/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 78 | | Task 77 | | 1 | | | 6/02/2012 8:00 | | 6/02/2012 16:00 | | |  | |  | | | 3 | | | 0 | | |  | | 6/02/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 79 | | Task 78 | | 1 | | | 7/02/2012 8:00 | | 7/02/2012 16:00 | | | 78 | |  | | | 3 | | | 0 | | |  | | 7/02/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 80 | | Task 79 | | 1 | | | 8/02/2012 8:00 | | 8/02/2012 16:00 | | | 79 | |  | | | 3 | | | 0 | | |  | | 8/02/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 81 | | Task 80 | | 1 | | | 9/02/2012 8:00 | | 9/02/2012 16:00 | | | 80 | |  | | | 3 | | | 0 | | |  | | 9/02/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 82 | | Task 81 | | 1 | | | 10/02/2012 8:00 | | 10/02/2012 16:00 | | | 81 | |  | | | 3 | | | 0 | | |  | | 10/02/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 83 | | Task 82 | | 1 | | | 13/02/2012 8:00 | | 13/02/2012 16:00 | | | 82 | |  | | | 3 | | | 0 | | |  | | 13/02/2012 8:00 | | |  | |  | | 0 | | 14/12/2011 10:40 | |  | |  |  |  |  | 0 | 0 |
| 84 | Prototypes | | 1 | | 27/01/2012 8:00 | 27/01/2012 16:00 | | 69 | |  | 2 | | 0 | |  | 27/01/2012 8:00 | |  |  | | 0 | 14/12/2011 10:40 | |  | |  |  | |  | |  | | 0 | | 0 | |

# 4. Risk Analysis

500-600 man hours of development

100-150 hours of management

100 hours of admin

100 hours per sprint with 25 hours to cope with risk (implies risk co-efficient)

Iterations slow down after February

# 5. Traceability