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**Work Breakdown Structure**

**iPAWS APSCUF-KU Spring 2014**

4/20/2012

iPAWS Team C

**Revision History**

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| --- | --- | --- | --- |
| **Version** | **Date** | **Created By** | **Description** |
| 1.0 | 1/26/2012 | :awell | Initial work breakdown draft |

**Contact Information**

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**Key**

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| **Abbreviation** | **Definition** |
| **PL** | Project Leader |
| **PM** | Project Manager |
| **SA** | System Analyst |
| **SD** | System Designer |
| **DV** | System Developer |
| **ST** | System Tester |

**Project Schedule / Activities**

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| **Phase** | **Task** | **Est. (Days)** | **Due** | **Resource(s)** |
| **0 – Planning** | Client Meeting (Dr. Tan) | 1 | 1/27 | All |
| Client Meeting (Karen  Epting) | 1 | 2/1 | All |
| Define Problem | 1 | 2/2 | :basta, :nroth |
| Team Follow-up, Project  Initiation | 1 | 2/8 | All |
| Work Breakdown Structure | 1 | 1/27 | :basta |
| **1 – Analysis and**  **Design** | Build SRS (Software  Requirements Specification) | 4 | 2/2 | :rgrof, :bfair |
| Build SPP (Software Project  Plan) | 7 | 2/3 | :nroth |
| Build IGR (Information  Gathering Report) | 3 | 2/4 | :rgrof, :bfair |
| Build Risk Management Plan | 7 | 2/6 | :basta, DV |
| Build Quality Assurance Plan | 5 | 2/7 | TBD |
| Architectural Design | 4 | 2/12 | :rgrof |
| Use Case Diagram | 2 | 2/11 | :rgrof |
| System Sequence Diagram | 2 | 2/11 | :rgrof |

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| **Phase** | **Task** | **Est.**  **(Days)** | **Due** | **Resource(s)** | **Status** |
| **2 – (Sprint 1)**  **Detail Design**  **Development/ Testing** | Design Review | 1 | 2/15 | All | Completed |
| Class Diagram | 2 | 2/13 | :bfair | Completed |
| Design Modeling/Low-level  Design | 4 | 2/11 | :bfair | Completed |
| Development Plan | 3 | 2/12 | :abash, :julio | Completed |
| Build test cases (TDD) for  Sprint 1 goals | 14 | 2/21 | :basta, :rob | Completed |
| DB modeling and  prototyping | 7 | 2/21 | :bfair | Completed |
| Logic/Controller modeling  and prototyping; refactoring of legacy code for new back- end design | 7 | 2/28 | :julio, :bfair | Completed |
| Development of functional  test suite based on system design | 7 | 2/28 | :basta, :rgrof | Completed |
| Development/implementation  of automated testing framework | 5 | 3/2 | :basta, :abash | Completed |
| First Testable Prototype  Completion | - | 3/2 | All | Completed |

3

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| **Phase** | **Task** | **Est.**  **(Days)** | **Due** | **Resource(s)** | **Status** |
| **2 – (Sprint 2)**  **Design/ Development/ Testing** | Development of basic  WTS flow | 4 | 3/6 | :bfair, :rgrof | Completed |
| Development of  election initiation and voting flow; “unrectified” election results | 7 | 3/14 | :abash | Completed |
| Development of WTS  eligibility filter | 4 | 3/14 | :bfair | Completed |
| Development of  election conflict detection | 4 | 3/21 | :bfair, :abash | Completed |
| Development of  preliminary conflict rectification interface | 7 | 3/28 | :abash | Completed |
| Implementation of test  cases as automated tests | 14 | 3/14 | :basta, :rob | Completed |
| Code average analysis | 4 | 3/20 | :basta, :rob | Completed |
| Development of  additional test cases | 7 | 3/27 | :basta, :rob,  :rgrof | Completed |
| Second Prototype  Completion | - | 3/28 | All | Completed |

4

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| **Phase** | **Task** | **Est.**  **(Days)** | **Due** | **Resource(s)** | **Status** |
| **2 – (Sprint 3)** | Release Testing | 7 | 4/9 | :basta, :rob | Completed |
| **Implementation** | Bug fixing, refactoring | 14 | 4/12 | DV | Completed |
|  | Final Product Completion | - | 4/13 | All | Completed |
|  | Packaging and final documentation gathering | 7 | 4/10 | DV | Completed |
|  | Code Coverage Analysis | 4 | 4/9 | :basta, :rob | Completed |
|  | Final Code Quality  Analysis | 7 | 4/9 | :basta, :rob | Completed |
| **3 – Project** | Prototype Due | 7 | 4/10 | DV | Completed |
| **Deployment** | Acceptance Testing | 1 | 4/24 | All |  |
|  | Deploy Project using CD | 6 | 4/30 | All |  |

5