|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ­­­­ |  |  |  |  |  | |  |  | |  | | |  |  |  | |
|  |  |  |  |  |  | |  |  | |  | | |  |  |
|  |  |  |  |  |  | |  |  | |  | | |  |  |
|  |  |  |  |  |  | |  |  | |  | | |  |  |
|  |  |  |  |  |  | |  |  | |  | | |  |  |
|  |  |  |  |  | **Start Date** | | | **February 6, 2021** | | | | | |  |
|  |  |  |  | **Rational Unified Process** | **End Date** | | | **April 16, 2021** | | | | | |  |
|  |  |  |  |  |  | |  |  | |  | | |  |  |
|  |  |  |  |  |  |  | | |  | |
|  |  |  |  |  |  |  | | |  | |  |
|  | **PLAN ACTIVITIES** | | **Week 1** | **Week 2** | **Week 3** | | **Week 4** | **Week 5** | | **Week 6** | | | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
|  | February | February | February | | February | March | | March | | | March | March | April | April |
|  | 6 | 13 | 20 | | 27 | 3 | | 10 | | | 17 | 24 | 7 | 16 |
|  | **INCEPTION** | Feasibility Study |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Requirement Gathering | v |  |  | |  |  | |  | | |  |  |  |  |
|  | Software Requirement Specification |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Organizing Requirement |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Negotiation and Discussion |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Software Requirement Verification |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Software Requirement Validation |  |  |  | |  |  | |  | | |  |  |  |  |
|  | SRS Documentation |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Brainstorming |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Analyzing requirements |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Requirements modeling |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Security Requirements |  |  |  | |  |  | |  | | |  |  |  |  |
|  | **ELABORATION** | Define Baseline |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Define Architecture |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Identify Design Goals |  |  |  | |  |  | |  | | |  |  |  |  |
|  | System Decomposition |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Logical Design |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Physical Design |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Architectural Design |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Detailed Design |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Conceptual Data Modeling |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Design Management |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Data Flow Design |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Data Structure Oriented Design |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Object-Oriented Design |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Designing Documentation |  |  |  | |  |  | |  | | |  |  |  |  |
|  | **CONSTRUCTION** | Build Component 1 |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Unit Testing of Component 1 |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Build Component 2 |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Unit Testing of Component 2 |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Build Component 3 |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Unit Testing of Component 3 |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Modules Coding |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Front-end Coding |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Back-end Coding |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Database Coding |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Database Coding |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Unit Testing of Database Coding |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Coding Documentation |  |  |  | |  |  | |  | | |  |  |  |  |
|  | **TRANSITION** | Identification and Tracing |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Corrective Maintenance |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Adaptive Maintenance |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Perfective Maintenance |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Preventive Maintenance |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Installation and Activation |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Implement enhancements |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Interface with other systems. |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Maintenance Management |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Version Tracking |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Releasing Patches |  |  |  | |  |  | |  | | |  |  |  |  |
|  | Retirement of Old Version. |  |  |  | |  |  | |  | | |  |  |  |  |
|  |  |  |  |  |  | |  |  | |  | | |  |  |  |  |  |  |
|  |  |  |  |  |  | |  |  | |  | | |  | | | |  |  |  |  |  |  |  |  |  |  |