**Work Breakdown Structure for Software Development Project (Encryption Program)**

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1. Scope
   1. Determine project scope
   2. Secure project sponsorship
   3. Define preliminary resources
   4. Secure core resources
   5. Scope complete
2. Analysis
   1. Conduct needs analysis
   2. Draft preliminary software specifications
   3. Develop preliminary budget
   4. Review specifications and budget with team
   5. Incorporate feedback on software/hardware specifications
   6. Develop delivery timeline
   7. Obtain approval to proceed with the project (prepare concept, timeline, budget)
   8. Allocate and secure required resources
   9. Analysis complete
3. Design
   1. Develop functional specifications
   2. Develop prototype based on functional specifications
   3. Review functional specifications
   4. Incorporate feedback into functional specifications
   5. Obtain approval to proceed
   6. Design complete
4. Development
   1. Review functional specifications
   2. Identify design parameters
   3. Assign development staff
   4. Develop Code
   5. Developer testing (debugging)
   6. Development complete
5. Testing
   1. Develop unit test plans using product specifications
   2. Develop integration test plans using product specifications
   3. Unit Testing
      1. Review modular code
      2. Test component modules to product specifications
      3. Identify anomalies to product specifications
      4. Modify code
      5. Re-test modified code
      6. Unit testing complete
   4. Integration Testing
      1. Test module integration
      2. Identify anomalies to specifications
      3. Modify code
      4. Re-test modified code
      5. Integration testing complete
6. Documentation
   1. Develop Help specification
   2. Develop Help system
   3. Review Help documentation
   4. Incorporate Help documentation feedback
   5. Develop user manuals specifications
   6. Develop user manuals
   7. Review all user documentation
   8. Incorporate user documentation feedback
   9. Documentation complete
7. Post Implementation Review
   1. Document lessons learned
   2. Distribute to team members
   3. Create product maintenance team
   4. Post implementation review complete
8. Project Complete
   1. Software product complete