Work Breakdown Structure

1. Design
   1. Database design
      1. Classes Defined
      2. Relationships
      3. Design Class Diagram
      4. Properties
   2. User Interface
      1. Design Scenes
      2. Define layout
      3. Color Scheme
   3. Logic (Dependency a (Database Design) and b (User Interface)
      1. Define View Controller classes
      2. Determine segues
      3. Determine class dependencies
   4. Milestone – Empty skeleton of the app is ready to be filled in.
2. Implementation
   1. Database Creation
      1. Core Data Implementation
   2. User Interface – Storyboard Creation
      1. Create Scenes
      2. Create Layouts
      3. Make Segue Connections
      4. Programmatically define colors and fonts
   3. Logic (Dependency on a and b)
      1. Create View Controller Classes
      2. Program segues
      3. Create Database Classes in Code
      4. Create code for connection in Scenes
      5. Program the algorithm of the app
   4. Milestone – App is raw, but ready for testing
3. Testing
   1. Database Testing
      1. Storing and Retrieving
         1. Correct Data is persisted
         2. Correct Data is retrieved
      2. Test Relationships
      3. Test any functions (ex. Sorting)
   2. User Interface Testing
      1. Visual Objects are visible and aligned
      2. Unnecessary objects are resign at appropriate time
      3. Correct Input objects are called and resigned when appropriate
      4. Scene Segues are in proper order with correct data (if necessary)
      5. User Input Validation
   3. Logic Testing
      1. Correct Data is input and processed
      2. Returned Value are appropriate
   4. Milestone – App is ready for delivery