**Work Breakdown Structure**

* **Plan and Analyze System**
* **User Needs**
* Meet with Derik (user)
* Determine the bar’s need
* **Tasks**
* Understand system tasks
* Understand system tasks relationship to user and other tasks
* **Technical Requirements**
* Understand software requirements
* Understand hardware requirements
* **Financial Impact**
* Analyze software costs
* Analyze hardware costs
* Analyze labor costs
* **Design System**
* **System Requirements**
* Breakdown system requirements
* Connect tasks to logical model
* Build system logical system model
* **Develop Database**
* **Logical Model for Database**
* Create entity relationship model of database
* Translate into a set of relational tables
* Examine model for redundancy
* Examine model for referential integrity
* **Physical Model for Database**
* Create database in Microsoft Access
* **Develop User Interface**
* **Logical Model for interface**
* Create model of interface according to discussed needs of user
* Get approval of model from user
* Revise model according to user review
* **Physical Model for Interface**
* Write code for interface
* Connect interface with database
* **Implement System**
* **Database**
* Populate database
* Test database
* **Interface**
* Populate database through user interface
* Test interface
* **Create Documentation**
* **M1 - Milestone 1**
* Create and Revise Client Documents
* Create and Revise Executive Summary
* Create and Revise Implications for Client
* Create and Revise Items for Approval
* Create and Revise Project Documents
* Create and Revise System Service Request
* Create and Revise Project Charter
* Create and Revise Control Documents
* Create and Revise Roles and Responsibilities
* Create and Revise Change Log
* Create and Revise Communication Management Plan
* Create and Revise Meeting Communication
* Create and Revise Team Member Status Report
* **M2 - Milestone 2**
* Create and Revise Project Scope Statement
* Create and Revise Statement of Work
* Create and Revise Work Breakdown Structure
* Create and Revise Work Breakdown Structure Dictionary
* Create and Revise Gantt Chart
* Create and Revise Economic Feasibility Analysis
* Create and Revise Enterprise Diagrams
* Update and Revise Milestone 1 Documents
* **M3 - Milestone 3**
* Create and Revise Baseline Project Plan
* Create and Revise Risk Management Plan
* Create and Revise Risk Register
* Create and Revise Information Systems Security Policies
* Update and Revise Milestone 1 & 2 Documents
* **M4 - Milestone 4**
* Create and Revise Data Flow Diagrams
* Create and Revise IDEF0 Models
* Create and Revise Logic Modeling
* Create and Revise Work Flow Diagram
* Update and Revise Milestone Documents
* Update and Revise Milestone 1, 2, &3 Documents

**Work Breakdown Structure Dictionary**

**Interface**- How the user will interact with the program.

**Logical Model**- Describes the data with as much detail as possible, without regard to how they will be physical implemented in the database.

**System**- The inventory program/database being designed.

**Task**- How the system performs actions for the user.

**User**- Derik Nelson (primary user) or other individuals at the bar.