**Work Breakdown Structure**

1. **Plan and Analyze System**

**1.1 User Needs**

1.1.1 Meet with Derik (user)

1.1.2 Determine the bar’s need

**1.2 Tasks**

1.2.1 Understand system tasks

1.2.2 Understand system tasks relationship to user and other tasks

**1.3 Technical Requirements**

1.3.1 Understand software requirements

1.3.2 Understand hardware requirements

**1.4 Financial Impact**

1.4.1 Analyze software costs

1.4.2 Analyze hardware costs

1.4.3 Analyze labor costs

1. **Design System**

**2.1 System Requirements**

2.1.1 Breakdown system requirements

2.1.2 Connect tasks to logical model

2.1.3 Build system logical system model

1. **Develop Database**

**3.1 Logical Model for Database**

3.1.1 Create entity relationship model of database

3.1.2 Translate into a set of relational tables

3.1.3 Examine model for redundancy

3.1.4 Examine model for referential integrity

**3.2 Physical Model for Database**

3.2.1 Create database in Microsoft Access

1. **Develop User Interface**

**4.1 Logical Model for interface**

4.1.1 Create model of interface according to discussed needs of user

4.1.2 Get approval of model from user

4.1.3 Revise model according to user review

**4.2 Physical Model for Interface**

4.2.1 Write code for interface

4.2.2 Connect interface with database

1. **Implement System**

**5.1 Database**

5.1.1 Populate database

5.1.2 Test database

**5.2 Interface**

5.2.1 Populate database through user interface

5.2.2 Test interface

1. **Create Documentation**

**6.1 M1 - Milestone 1**

6.1.1 Create and Revise Client Documents

6.1.2 Create and Revise Executive Summary

6.1.3 Create and Revise Implications for Client

6.1.4 Create and Revise Items for Approval

6.1.5 Create and Revise Project Documents

6.1.6 Create and Revise System Service Request

6.1.7 Create and Revise Project Charter

6.1.8 Create and Revise Control Documents

6.1.9 Create and Revise Roles and Responsibilities

6.1.10 Create and Revise Change Log

6.1.11 Create and Revise Communication Management Plan

6.1.12 Create and Revise Meeting Communication

6.1.13 Create and Revise Team Member Status Report

**6.2 M2 - Milestone 2**

6.2.1 Create and Revise Project Scope Statement

6.2.2 Create and Revise Statement of Work

6.2.3 Create and Revise Work Breakdown Structure

6.2.4 Create and Revise Work Breakdown Structure Dictionary

6.2.5 Create and Revise Gantt Chart

6.2.6 Create and Revise Economic Feasibility Analysis

6.2.7 Create and Revise Enterprise Diagrams

6.2.8 Update and Revise Milestone 1 Documents

**6.3 M3 - Milestone 3**

6.3.1 Create and Revise Baseline Project Plan

6.3.2 Create and Revise Risk Management Plan

6.3.3 Create and Revise Risk Register

6.3.4 Create and Revise Information Systems Security Policies

6.3.5 Update and Revise Milestone 1 & 2 Documents

**6.4 M4 - Milestone 4**

6.4.1 Create and Revise Data Flow Diagrams

6.4.2 Create and Revise IDEF0 Models

6.4.3 Create and Revise Logic Modeling

6.4.4 Create and Revise Work Flow Diagram

6.4.5 Update and Revise Milestone Documents

6.4.6 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.