The Max Inventory System



**Team Awesome**

|  |  |
| --- | --- |
|  | Paul Naumann (pnaumann@unomaha.edu)  Collyn Sansoni (csansoni@unomaha.edu) |
|  | Tom Jorgensen (twjorgensen@unomaha.edu) |

Justin Hendricks (jhendricks01@unomaha.edu)

Abdulaziz Matar (afmatar@unomaha.edu)

**Milestone Manager:** Paul Naumann

**Project Manager:** Dr. Paul Van Vliet

**Table of Contents**

Client Documents ……………………………………………………………………………………………………………………………………3

Opening Statement ……..………………………………………………………….…………………………………………………4

Executive Summary …………..…………………………………………………….…………………………………………………5

Implications for Client ………..………………………………………………………………………………………………………6

Items for Approval……………..………………………………………………………………………………………………………7

Project Documents …………………………………………………………………………………………………………………………………8

Project Management Chart for Semester…….………………………….………………………………………………….9

Entity Relationship Diagram……………………………………………………..………………………………………………10

Full Relational Database Design……….…………….…………………………………………………………………………11

Control Documents ……………………………………………………………………………………….………………………………………12

Roles and Responsibilities………………………………………………………………………………………………………...13

Meeting Communications……….……….…….…………………………………….…………………………………………..14

Change Log………………….…………..…………………………………….…………….…..………………………………………19

Client Documents

**Opening Statement**

Milestone 5 of The Max Inventory System has been completed. The development of this system continues to remain on schedule and on budget.

**Executive Summary**

With technology today, bars can make a more efficient use of time and energy by using a system to track inventory. Using an inventory system, a bar can track which items they need to reorder, which items are most popular and which items should be discontinued from their purchases.

We are currently in the process of designing a system around the liquor usage at The Max. This application will allow them to make orders more easily. As inventory increases this system will be a good complement to the already successful bar.

This milestone contains documents to describe The Max Inventory project. The key documents for this milestone include:

* Project Management Chart for Semester: Details individual tasks needing to be completed for this project. These tasks include each document for the milestones and final project. This will also include the tasks for the prototype of the inventory system. These tasks include everything needed to complete the rest of the system. This chart will also track the hours spent working on the system as well as the resources that were involved in each task.
* Entity Relationship Diagram: Used in determining what our inventory system will be required to track, and how this is being organized. The entity relationship diagram is a visual representation of the inner workings of the inventory system. Using an Entity Relationship Diagram, we can better build the inventory to suit the needs of The Max. This level of detail will aid us in building reports better suited to the needs of The Max later in the development of this system.
* Full Relational Database Design: A design of the database tables that the inventory data will reside in. This design will later be the building blocks for the application development and maintenance for this inventory system. By designing the database in this manner, it will be easy to add additional items for tracking with little to no modification of the existing database. In future use, we can add additional tables that fall under the inventory table, in addition to beer, wine, and liquor. Additionally, if The Max were to add brands of any of these type of inventory, we can add them to our table allowing for further tracking and organization of their inventory. This provides longevity of our product and increased usability for the end user.

**Implications for Client**

There are currently no implications for the client at this time.

**Items for Approval**

There are currently no items needing to be approved for this system at this time.

Project Documents

**Project Management Chart for Semester**

<<See attached MAX.mpp>>

**Entity Relationship Diagram**

<< See attached MAX.vsdx>>

**Full Relational Database Design**

<<See attached MAX.accdb>>

**Control Documents**

**Roles and Responsibilities**

**Milestone 5**

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Responsibility** |
| Justin | Client Liaison/Data Model | * Organizing meetings between customer and Team Awesome * Assist Abdulaziz in the design of the data model |
| Paul | Milestone Manager | * Managing documents for group * Assigning deliverables to group members * Creation of client document * Creation of meeting communications and control documents |
| Collyn | Entity Relationship Diagram | * Completion of the logical design of the entity relationship diagram * Mapping the entity relationship diagram in Microsoft Visio |
| Tom | Project Management/Gantt Chart | * Update the Gantt chart from milestones 1-4 to align with the deliverables of milestone 5-8 |
| Abdulaziz | Data Model/Milestone Collaborator | * Assist in documentation completion with other team members * Work with Justin to complete the data model |

**Meeting Communications**

**Milestone 5**

**Date:** 1/18/18

**Time:** 6:30 PM

**Location:** UNO Criss Library 102d

**Present:** Paul Naumann, Tom Jorgensen, Justin Hendricks, Abdulaziz Matar

|  |  |  |
| --- | --- | --- |
| **Item** | **Responsible Party** | **Comments** |
| Summary of group meeting | Team Awesome | * Began working on first draft of Milestone 5 documents * Set responsible parties and due dates for documents |

**Handouts:** None

**Discussion:** See Comments

**Date:**  Week beginning 1/15/18

**Time:** All week

**Location:** Group text/ slack.com chat

**Present:** Paul Naumann, Tom Jorgensen, Collyn Sansoni, Justin Hendricks, Abdulaziz Matar

|  |  |  |
| --- | --- | --- |
| **Item** | **Responsible Party** | **Comments** |
| Summary of group text/ slack.com chat | Team Awesome | * Discussed required documents for Milestone 5 * Assigned Paul as Milestone Manager |

**Handouts:** None

**Discussion:** See Comments

**Date:**  Week beginning 1/22/18

**Time:** All week

**Location:** Group text/ slack.com chat

**Present:** Paul Naumann, Tom Jorgensen, Collyn Sansoni, Justin Hendricks, Abdulaziz Matar

|  |  |  |
| --- | --- | --- |
| **Item** | **Responsible Party** | **Comments** |
| Summary of group text/ slack.com chat | Team Awesome | * Assigned due dates for documents * Discussed in-person meeting times |

**Handouts:** None

**Discussion:** See Comments

**Date:** 1/25/18

**Time:** 6:30 PM

**Location:** UNO Criss Library 102b

**Present:** Paul Naumann, Tom Jorgensen, Justin Hendricks, Abdulaziz Matar

|  |  |  |
| --- | --- | --- |
| **Item** | **Responsible Party** | **Comments** |
| Summary of group meeting | Team Awesome | * Created first draft of Entity Relation Diagram |

**Handouts:** None

**Discussion:** See Comments

**Date:** 1/27/18

**Time:** 10:30 AM

**Location:** PKI 284b

**Present:** Paul Naumann, Tom Jorgensen, Dr. Van Vliet

|  |  |  |
| --- | --- | --- |
| **Item** | **Responsible Party** | **Comments** |
| Meeting with Project Manager | Team Awesome | * Met with Dr. Van Vliet to discuss revisions needed for Entity Relationship Diagram |

**Handouts:** None

**Discussion:** See Comments

**Date:**  Week beginning 1/29/18

**Time:** All week

**Location:** Group text/ slack.com chat

**Present:** Paul Naumann, Tom Jorgensen, Collyn Sansoni, Justin Hendricks, Abdulaziz Matar

|  |  |  |
| --- | --- | --- |
| **Item** | **Responsible Party** | **Comments** |
| Summary of group text/ slack.com chat | Team Awesome | * Discussed revisions for Entity Relationship Diagram * Assigned tasks for revision of Entity Relationship Diagram |

**Handouts:** None

**Discussion:** See Comments

**Date:** 1/30/18

**Time:** 8:30 AM

**Location:** PKI 284b

**Present:** Paul Naumann, Tom Jorgensen, Dr. Van Vliet

|  |  |  |
| --- | --- | --- |
| **Item** | **Responsible Party** | **Comments** |
| Meeting with Project Manager | Team Awesome | * Met with Dr. Van Vliet to discuss final revisions needed for Entity Relationship Diagram |

**Handouts:** None

**Discussion:** See Comments

**Date:** 2/1/18

**Time:** 6:30 PM

**Location:** UNO Criss Library 102b

**Present:** Paul Naumann, Justin Hendricks, Abdulaziz Matar

|  |  |  |
| --- | --- | --- |
| **Item** | **Responsible Party** | **Comments** |
| Summary of group meeting | Team Awesome | * Finished Entity Relationship Diagram * Created rough draft of Full Relational Database Design |

**Handouts:** None

**Discussion:** See Comments

**Date:**  Week beginning 2/5/18

**Time:** All week

**Location:** Group text/ slack.com chat

**Present:** Paul Naumann, Tom Jorgensen, Collyn Sansoni, Justin Hendricks, Abdulaziz Matar

|  |  |  |
| --- | --- | --- |
| **Item** | **Responsible Party** | **Comments** |
| Summary of group text/ slack.com chat | Team Awesome | * Discussed necessary revisions for Milestone 5 submission |

**Handouts:** None

**Discussion:** See Comments

**Change Log**

**Opening Statement**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version Name** | **Change** | **Comments** |
| 9/6/17 | 1 | Creation of Opening Statement | Created Opening Statement document |
| 10/4/17 | 2 | Revised Opening Statement | Revised Opening Statement to reflect Milestone 2 |
| 10/16/17 | 3 | Revised Opening Statement | Revised Opening Statement to reflect Milestone 3 |
| 12/8/17 | 4 | Revised Opening Statement | Revised Opening Statement to reflect Milestone 4 |
| 1/15/18 | 5 | Revised Opening Statement | Revised Opening Statement to reflect Milestone 5 |

**Executive Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version Name** | **Change** | **Comments** |
| 9/5/17 | 1 | Creation of Executive Summary | Created the Executive Summary document |
| 9/8/17 | 2 | Revised Executive Summary | Revised Executive Summary |
| 10/4/17 | 2 | Revised Executive Summary | Revised Executive Summary to reflect Milestone 2 |
| 10/16/17 | 3 | Revised Executive Summary | Revised Executive Summary to reflect Milestone 3 |
| 12/5/17 | 4 | Revised Executive Summary | Revised Executive Summary to reflect Milestone 4 |
| 1/15/18 | 5 | Revised Executive Summary | Revised Executive Summary to reflect Milestone 5 |
| 2/6/18 | 6 | Revised Executive Summary | Revised Executive Summary to reflect feedback from Professor. |
| 2/8/18 | 7 | Revised Executive Summary | Revised Executive Summary to reflect feedback from Professor. |

**Implications for Client**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version Name** | **Change** | **Comments** |
| 9/5/17 | 1 | Creation of Implications for Client | Created Implications for Client document |
| 10/4/17 | 2 | Revised Implications for Client | Revised Implications for Client based on Professor feedback |
| 10/16/17 | 3 | Revised Implications for Client | Revised Implications for Client for Milestone 3 |
| 12/6/17 | 4 | Revised Implications for Client | Revised Implications for Client for Milestone 4 |
| 1/16/18 | 5 | Revised Implications for Client | Revised Implications for Client for Milestone 5 |

**Items for Approval**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version Name** | **Change** | **Comments** |
| 9/6/17 | 1 | Creation of Items for Approval | Created Items for Approval document |
| 10/5/17 | 2 | Revised Items for Approval | Revised Items for Approval |
| 10/16/17 | 3 | Revised Items for Approval | Revised Items for Approval |
| 11/29/17 | 4 | Revised Items for Approval | Revised Items for Approval based on Milestone 4 |
| 2/4/18 | 5 | Revised Items for Approval | Revised Items for Approval based on Milestone 5 |

**Project Management Chart for Semester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version Name** | **Change** | **Comments** |
| 2/2/18 | 1 | Creation of Project Management Chart for Semester | Created Project Management Chart for Semester |
| 2/4/18 | 2 | Revised Project Management Chart for Semester | Revised Project Management Chart for Semester based on feedback |
| 2/8/18 | 3 | Revised Project Management Chart for Semester | Finalized Project Management Chart for Milestone 5 based on feedback |

**Entity Relationship Diagram**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version Name** | **Change** | **Comments** |
| 1/25/18 | 1 | Creation of Entity Relationship DIagram | Created Items for Approval document |
| 1/29/18 | 2 | Revised Entity Relationship Diagram | Revised Entity Relationship Diagram based on feedback |
| 1/30/18 | 3 | Revised Entity Relationship Diagram | Revised Entity Relationship Diagram based on feedback |

**Full Relational Database Design**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version Name** | **Change** | **Comments** |
| 2/1/18 | 1 | Creation of Full Relational Database Design | Created Full Relational Database Design |
| 2/2/18 | 2 | Revised Full Relational Database Design | Revised Full Relational Database Design based on feedback |
| 2/3/18 | 3 | Revised Full Relational Database Design | Revised Full Relational Database Design based on feedback |
| 2/4/18 | 4 | Revised Full Relational Database Design | Revised Full Relational Database Design based on feedback |
| 2/5/18 | 5 | Revised Full Relational Database Design | Revised Full Relational Database Design based on feedback |

**Roles and Responsibilities**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version Name** | **Change** | **Comments** |
| 8/30/17 | 1 | Creation of Roles and Responsibilities Document | Creation of Roles and Responsibilities Document for Milestone 1. |
| 9/16/17 | 2 | Revised Roles and Responsibilities for Milestone 2 | Revised Roles and Responsibilities for Milestone 2 |
| 11/2/17 | 3 | Revised Roles and Responsibilities for Milestone 3 | Revised Roles and Responsibilities for Milestone 3 |
| 11/9/17 | 4 | Revised Roles and Responsibilities for Milestone 4 | Revised Roles and Responsibilities for Milestone 4 |
| 1/16/18 | 5 | Revised Roles and Responsibilities for Milestone 5 | Revised Roles and Responsibilities for Milestone 5 |

**Meeting Communications**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version Name** | **Change** | **Comments** |
| 9/6/17 | 1 | Creation of Meeting Communications | Created Meeting Communications document |
| 9/13/17 | 2 | Revised Meeting Communications | Revised Meeting Communications to show new meetings |
| 10/9/17 | 3 | Revised Meeting Communications | Revised Meeting Communications to show meetings since last revision |
| 10/26/17 | 4 | Revised Meeting Communications | Revised Meeting Communications to show meetings since last revision |
| 11/2/17 | 5 | Revised Meeting Communications | Revised Meeting Communications to show meetings since last revision |
| 11/30/17 | 6 | Revised Meeting Communications | Revised Meeting Communications to show meetings since last revision |
| 12/4/17 | 7 | Revised Meeting Communications | Revised Meeting Communications to show meetings since last revision |
| 12/7/17 | 8 | Revised Meeting Communications | Updated Meeting Communications to reflect separation by Milestone. |
| 2/5/2018 | 9 | Revised Meeting Communications | Updated Meeting Communications to reflect new meetings |

**Miscellaneous**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version Name** | **Change** | **Comments** |
| 8/30/17 | 1 | Creation of GitHub Repository | Created the GitHub Repository and added members of group |
| 9/6/17 | 1 | Creation of Title Page | Created Title Page document |
| 9/10/17 | 2 | Revised Title Page | Added logo to Title Page |
| 9/11/17 | 2 | Revised Milestone 1 document | Addressed changes suggested by Professor Germonprez |
| 11/23/17 | 1 | Creation of presentation slides | Creation of presentation slides |