**ITIS-4166 / Group 2 (Mark Barringer & Rhytham Shiroya)**

**Project Overview**

Farmway is an example of an ecommerce website. It allows our customers to see and order farm fresh organic produce directly to their door. Out target audience would be customers who prefer to order their produce from home using the Internet. The website provides a home page, a product catalog page, and about us page, a contact us page (that allows users to leave messages written to a local SQL database) and an account management page (that allows users to create new accounts written to a local SQL database OR authenticate against an existing account read from a local SQL database). In addition, an admin section allows admins to see existing user account details and messages left by users from the Contact.jsp page.

**Website Map**

Graphical user interface, application, Word

Description automatically generated

**Page Design**

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| *Page* | Index.jsp |
| *Purpose of the page* | Home page, starting point |
| *Audience of page* | All users and admins |
| *Data (fields) presented based on what logic* | UserName (if logged in) |
| *Validations (if any) on page* | Has user logged into valid account |
| *Hyperlinks and what actions* | Links to Products.jsp, Contact.jsp, AboutUs.jsp & Account.jsp. Redirects to those pages upon click. |
| *Special notes regarding page* | Login via Account.jsp is required to proceed to Products.jsp. |

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| *Page* | Products.jsp |
| *Purpose of the page* | Product catalog page |
| *Audience of page* | Users |
| *Data (fields) presented based on what logic* | None |
| *Validations (if any) on page* | Has user logged into valid account. |
| *Hyperlinks and what actions* | Links to Index.jsp, Contact.jsp, AboutUs.jsp & Account.jsp. Redirects to those pages upon click. |
| *Special notes regarding page* | Login via Account.jsp is required to view. |

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| *Page* | Contact.jsp |
| *Purpose of the page* | Contact us with a message page |
| *Audience of page* | Users |
| *Data (fields) presented based on what logic* | None |
| *Validations (if any) on page* | None |
| *Hyperlinks and what actions* | Links to Index.jsp, Products.jsp, AboutUs.jsp & Account.jsp. Redirects to those pages upon click. |
| *Special notes regarding page* | Creates an entry in Contact table in Farmway db. |

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| *Page* | AboutUs.jsp |
| *Purpose of the page* | Details about who we are, how to find us. |
| *Audience of page* | Users |
| *Data (fields) presented based on what logic* | None |
| *Validations (if any) on page* | None |
| *Hyperlinks and what actions* | Links to Index.jsp, Products.jsp, Contact.jsp & Account.jsp. Redirects to those pages upon click. |
| *Special notes regarding page* | None |

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| *Page* | Account.jsp |
| *Purpose of the page* | Login with existing account OR create a new account |
| *Audience of page* | All users and admins |
| *Data (fields) presented based on what logic* | UserName and password, user must provide. |
| *Validations (if any) on page* | User must enter an existing username & password combination before clicking Login button.  User may also click Sign Up button to enter a new account. |
| *Hyperlinks and what actions* | Links to Index.jsp, Products.jsp, Contact.jsp & AboutUs.jsp. Redirects to those pages upon click.  Also links to LoginServlet.java & UserServlet.java |
| *Special notes regarding page* | Login credentials validated against UserModel table in Farmway db. New user sign up creates an entry in UserModel table in Farmway db. |

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| *Page* | Servlet/LoginServlet.java |
| *Purpose of the page* | Facilitates login validation |
| *Audience of page* | All users and admins |
| *Data (fields) presented based on what logic* | See Account.jsp |
| *Validations (if any) on page* | See Account.jsp |
| *Hyperlinks and what actions* | See Account.jsp |
| *Special notes regarding page* | See Account.jsp |

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| *Page* | Servlet/userServlet.java |
| *Purpose of the page* | Facilitates new login creation |
| *Audience of page* | Users |
| *Data (fields) presented based on what logic* | See Account.jsp |
| *Validations (if any) on page* | See Account.jsp |
| *Hyperlinks and what actions* | See Account.jsp |
| *Special notes regarding page* | See Account.jsp |

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| *Page* | UserDertails.jsp |
| *Purpose of the page* | Allows admins to view existing users |
| *Audience of page* | Admins |
| *Data (fields) presented based on what logic* | List of UserModel table from Farmway db. |
| *Validations (if any) on page* | None |
| *Hyperlinks and what actions* | Links back to admin.jsp. |
| *Special notes regarding page* | Admin login via Account.jsp is required to view. |

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| *Page* | Messages.jsp |
| *Purpose of the page* | Allows admins to view messages from users |
| *Audience of page* | Admins |
| *Data (fields) presented based on what logic* | List of Contact table from Farmway db. |
| *Validations (if any) on page* | None |
| *Hyperlinks and what actions* | Links back to admin.jsp. |
| *Special notes regarding page* | Admin login via Account.jsp is required to view. |

**ER Model of SQL Farmway database**

Diagram

Description automatically generated