# **CSC 431** Truck Muck Software Requirements Specification (SRS)

**<Team #5>**

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# Version History

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author(s) | Change Comments |
| 0.01 | 2/15/2022 | Ronald Vera, Patrick Johnston,  Carlos Carpio | Initial Project Draft |
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### System Requirements

#### Functional Requirements

##### **Web Landing Page**

|  |  |
| --- | --- |
| Title | Web Landing Page |
| Description | Landing page will feature participating food trucks and deals of the week. The ability to login or register with us by creating a profile or using SSO. |
| Priority | 0 |
| Precondition(s) | App graphics, navigation, to be designed and developed |
| Basic Flow | * Page opens to featured food truck graphic along with any deals of the week. * Ability to login or register a new account |
| Postconditions(s) | * Login to existing account * Login via SSO * Create Account |
| Use Case Diagram | 3.1 |

##### **Account Registration for User/Vendor**

|  |  |
| --- | --- |
| Title | Account Registration for User/Vendor |
| Description | Creating a user/vendor name and password |
| Priority | 0 |
| Precondition(s) | Landing Page, create account option after clicking on login |
| Basic Flow | * Fields for username and password entry * Email field for email verification * Create account after email verification |
| Postconditions(s) | * Login to existing account * Login via SSO |
| Use Case Diagram | 3.1 |

##### **Login to registered account or SSO account**

|  |  |
| --- | --- |
| Title | Login to registered account or SSO account |
| Description | Login with two fields (username and password) or use SSO account with Facebook, Twitter, or Google |
| Priority | 0 |
| Precondition(s) | Account to have been created or own an existing SSO account |
| Basic Flow | * Users/Vendors will enter their credentials into fields * If information is entered correctly, send to profile page * If information is entered incorrectly, prompt to try again in red lettering * If attempted failed a third time, send email verification to reset password * Or option to use a SSO account through Facebook, Twitter, or Google |
| Postconditions(s) | Users   * Create/update Profile * View food truck locations by GPS or search specific truck * Ability to view menu’s from participating vendor to order and pay for an order for pick up * Leave reviews or comments   Vendors   * Create/update Profile * Upload latest menu options |
| Use Case Diagram | 3.1 |

##### **User Create Profile**

|  |  |
| --- | --- |
| Title | Create Profile |
| Description | System setup user profile with fields they can enter for personal information. |
| Priority | 2 |
| Precondition(s) | User logins through existing account or SSO account |
| Basic Flow | * Location * Age * Profile Picture * Bio (optional) * Food Preferences * Food Allergies * Favorite food trucks (optional) * Food Truck lovers follows/followers |
| Postconditions(s) | * User’s page might be feature on landing page * Other users can view profile * Other users can follow you * Use Networking Features * Use GPS Functionality |
| Use Case Diagram | 3.1 |

##### **User Networking Features**

|  |  |
| --- | --- |
| Title | User Networking Features |
| Description | Leave reviews on Vendor profiles, comment on others review, message users. |
| Priority | 2 |
| Precondition(s) | User logins through existing account or SSO account |
| Basic Flow | * Review Food Truck profiles with a 5-star system rating * Comment on others review * Message users that follow you |
| Postconditions(s) | * User’s review might be feature on landing page * Send/Receive messages from followers * Users can comment on your reviews |
| Use Case Diagram | 3.1 |

##### **Vendor Profile**

|  |  |
| --- | --- |
| Title | Vendor Profile |
| Description | System setup vendor profile with fields they can enter for food truck information. |
| Priority | 2 |
| Precondition(s) | Vendor logins through existing account or SSO account |
| Basic Flow | * Comment on user reviews left on your profile * Message users that follow you * List ingredients used to ID allergies of users to warn users * Upload promotional ads and videos * Schedule specials of the week or events Food Truck will be attending |
| Postconditions(s) | * Vendor Menu/Pick up Options * Vendor Payment Methods * GPS Functionality |
| Use Case Diagram | 3.1 |

##### **Vendor Menu and Ordering Option**

|  |  |
| --- | --- |
| Title | Vendor Menu and Ordering Option |
| Description | View Food Truck menus and ability to order food for pick up. |
| Priority | 3 |
| Precondition(s) | Vendor logins through existing account or SSO account |
| Basic Flow | * Upload PDF of menu for user’s viewership * Flag options for users that might have allergies * Option to create a checkout cart * Option to set time when order to be ready by |
| Postconditions(s) | * Vendor Payment Methods |
| Use Case Diagram | 3.1 |

##### **GPS Functionality**

|  |  |
| --- | --- |
| Title | GPS Functionality |
| Description | Main feature to find Food Trucks in your area. |
| Priority | 0 |
| Precondition(s) | Vendor/Users logins through existing account or SSO account |
| Basic Flow | * Participating Food Truck Vendor can pin their locations * Users can view Food Truck near them * Users can pin location of non-participating Food Trucks * Users can pin location of Food Truck event |
| Postconditions(s) | * Alerts/Notifications |
| Use Case Diagram | 3.1 |

##### **Vendor Payment Methods**

|  |  |
| --- | --- |
| Title | Vendor Payment Methods |
| Description | Use mobile pay options. |
| Priority | 3 |
| Precondition(s) | Vendor/Users logins through existing account or SSO account |
| Basic Flow | * Make payment through either Venmo, Google Pay, Paypal, Cash App, Apple Pay * Options to leave a tip * Receive email confirmation with receipt |
| Postconditions(s) | * Alerts/Notifications * Pick-Up Food Prep Tracker |
| Use Case Diagram | 3.1 |

#### Non-Functional Requirements

< List all non-functional requirements in the following example format >

##### **1.2.01Alerts/Notification**

|  |  |
| --- | --- |
| Title | Alerts/Notification |
| Description | Alert users if a favorite food truck vendor is near by or after they’ve making a payment |
| Priority | 4 |
| Applicable FR(s) | * GPS Functionality * Vendor Payment |

##### **1.2.02Pick-Up Food Prep Tracker**

|  |  |
| --- | --- |
| Title | Alerts/Notification |
| Description | Track how long food will take to be ready. Notify when ready. |
| Priority | 5 |
| Applicable FR(s) | * Vendor Payment |

### System Constraints

#### Tool Constraints

< List all tool constraints in the following example format >

##### **Requirement Title**

|  |  |
| --- | --- |
| Title | <Insert title> |
| Description | <A one or two sentence description> |
| Priority | <Priority from 0 (highest) – 5 (lowest)> |

#### Language Constraints

< List all language constraints in the following example format >

##### **Requirement Title**

|  |  |
| --- | --- |
| Title | <Insert title> |
| Description | <A one or two sentence description> |
| Priority | <Priority from 0 (highest) – 5 (lowest)> |

#### Platform Constraints

< List all platform constraints in the following example format >

##### **Requirement Title**

|  |  |
| --- | --- |
| Title | <Insert title> |
| Description | <A one or two sentence description> |
| Priority | <Priority from 0 (highest) – 5 (lowest)> |

#### Hardware Constraints

< List all hardware constraints in the following example format >

##### **Requirement Title**

|  |  |
| --- | --- |
| Title | <Insert title> |
| Description | <A one or two sentence description> |
| Priority | <Priority from 0 (highest) – 5 (lowest)> |

#### Network Constraints

< List all network constraints in the following example format >

##### **Requirement Title**

|  |  |
| --- | --- |
| Title | <Insert title> |
| Description | <A one or two sentence description> |
| Priority | <Priority from 0 (highest) – 5 (lowest)> |

#### Deployment Constraints

< List all deployment constraints in the following example format >

##### **Requirement Title**

|  |  |
| --- | --- |
| Title | <Insert title> |
| Description | <A one or two sentence description> |
| Priority | <Priority from 0 (highest) – 5 (lowest)> |

#### Transition & Support Constraints

< List all transition & support constraints in the following example format >

##### **Requirement Title**

|  |  |
| --- | --- |
| Title | <Insert title> |
| Description | <A one or two sentence description> |
| Priority | <Priority from 0 (highest) – 5 (lowest)> |

#### Budget & Schedule Constraints

< List all budget & schedule constraints in the following example format >

##### **Requirement Title**

|  |  |
| --- | --- |
| Title | <Insert title> |
| Description | <A one or two sentence description> |
| Priority | <Priority from 0 (highest) – 5 (lowest)> |

#### Miscellaneous Constraints

< List all miscellaneous constraints in the following example format >

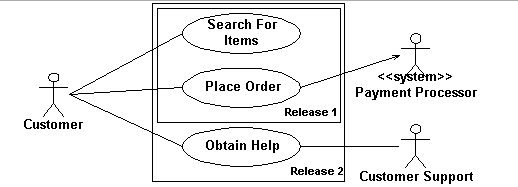
##### **Requirement Title**

|  |  |
| --- | --- |
| Title | <Insert title> |
| Description | <A one or two sentence description> |
| Priority | <Priority from 0 (highest) – 5 (lowest)> |

### Requirements Modeling

< List all Use-case diagrams for the functional requirements in the following format>

##### **Requirement Title**



### Evolutionary Requirements

#### Functional Requirements

< List all functional requirements in the following example format >

##### **Requirement Title**

|  |  |
| --- | --- |
| Title | <Insert title> |
| Description | <A one or two sentence description> |
| Priority | <Priority from 0 (highest) – 5 (lowest)> |
| Precondition(s) | <What needs to happen before> |
| Postconditions(s) | <What happens as a result> |
| Use Case Diagram | <Link or number, if present> |

#### Non-Functional Requirements

< List all non-functional requirements in the following example format >

##### **Requirement Title**

|  |  |
| --- | --- |
| Title | <Insert title> |
| Description | <A one or two sentence description> |
| Priority | <Priority from 0 (highest) – 5 (lowest)> |
| Applicable FR(s) | <Which functional requirement(s) is this applicable to?> |