**Report**

ITSS Software Development Project

1. **Use Case Diagram**

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Use Case Diagram 1: General UC

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Use Case Diagram 2: Manage Supplier Information

1. **Use case specification**
   1. Use case specification for “Register to be a supplier”

|  |  |  |  |
| --- | --- | --- | --- |
| UC Code | UC001 | Use case name | Register supplier |
| Actor | Import Site Employee | | |
| Precondition | None | | |
| Main flow of event (success) | |  |  |  | | --- | --- | --- | | # | Doer | Action | | 1. | Import Site Employee | Clicks “Register supplier” button | | 2. | System | Displays “Register supplier” screen | | 3. | Import Site Employee | Enters register form | | 4. | Import Site Employee | Clicks “Register” after filling the form | | 5. | System | Checks if all the necessary fields are filled | | 6. | System | Checks if the email is existed | | 7. | System | Notifies that register successfully | | | |
| Alternative flow of event | |  |  |  | | --- | --- | --- | | # | Doer | Action | | 4a | Import Site Employee | Clicks “Cancel” button whenever filling form, system will display confirm dialog | | 5a | System | Displays “Invalid Input” message if there is any needed field that is not satisfied | | 6a | Import Site Employee | Displays “Existed email” message if the email is existed | | | |
| Post condition | After signing up successfully, come back login screen width filled email field by the email of new account | | |

* 1. Use case specification for “Update supplier basic information”

|  |  |  |  |
| --- | --- | --- | --- |
| UC Code | UC001 | Use case name | Update Supplier basic information |
| Actor | Import Supplier Employee | | |
| Precondition | Successful login | | |
| Main flow of event (success) | |  |  |  | | --- | --- | --- | | # | Doer | Action | | 1. | Import Site Employee | Clicks “Update basic information” button | | 2. | System | Displays “Update basic information” screen | | 3. | Import Site Employee | Edit information | | 4. | Import Site Employee | Clicks “Update” button | | 5. | System | Checks if the changes are satisfied | | 6. | System | Notifies successful update | | | |
| Alternative flow of event | |  |  |  | | --- | --- | --- | | # | Doer | Action | | 4a. | Import Site Employee | Clicks “Cancel” button whenever filling form, the system will display confirm dialog | | 5a. | System | Display “Invalid Input” message if there is any field that is not satisfied | | | |
| Post condition | None | | |

* 1. Glossary
* Supplier: The site that provides products.
* Import Site Employee: The employee of the site considered as a supplier.
* Field: The input area.
* Form: The screen that contains many fields.

1. **Activity diagram**

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Figure 1: Register Supplier Activity Diagram

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Figure 2: Update Basic Information Activity Diagram

1. **Use case realization**
   1. Register to be a supplier

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Sequence Diagram 1: Main flow of Register Supplier

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Sequence Diagram 2: Cancel action flow of Register Vendor

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Sequence Diagram 3: Invalid input flow of Register Vendor

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Sequence Diagram 4: Existed email flow of Register Vendor

* 1. Update basic information

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Communication Diagram 1: Main flow of Update Basic Information

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Communication Diagram 2: Cancel action flow of Update Basic Information

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Communication Diagram 3: Invalid input flow of Update Basic Information

1. **Analysis class diagram**

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Figure 3: Register Supplier Analysis Class Diagram

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Figure 4: Update Basic Information Analysis Class Diagram

1. **Design User Interface**
   1. Register Vendor

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Figure 5: Register vendor screen

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Control type | Control name | Function |
| 1 | Heading label | Register to be a Supplier | Show title |
| 2 | Label | Account | Show title of account information |
| 3 | Label | Supplier’s Information | Show title of Supplier’s information |
| 4 | Label | Delivery | Show title of delivery information |
| 5 | Input Field | Email | Enter email |
| 6 | Input Field | Password | Enter password |
| 7 | Input Field | Confirm Password | Enter confirm Password |
| 8 | Input Field | Number of delivery days | Enter number of delivery days |
| 9 | Input Field | Name | Enter name |
| 10 | Input Field | Phone | Enter phone |
| 11 | Input Field | Address | Enter address |
| 12 | Input Field | Website | Enter website |
| 13 | Input Field | Description | Enter description |
| 14 | Dropdown List | Transportation | Choose type of transportation |
| 15 | Text Field | Show error message when happening | Show error message |
| 16 | Checkbox | I agree the terms of the agreement | Check if user agree the terms of the agreement |
| 17 | Button | Sign up | Submit form to sign up a supplier |
| 18 | Button | Cancel | Back to login screen |

* 1. Update Basic Information

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Figure 7: Update basic information screen

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Control type | Control name | Function |
| 1 | Heading label | Update basic information | Show title |
| 2 | Label | Supplier’s Information | Show title of Supplier’s information |
| 3 | Label | Delivery | Show title of delivery information |
| 4 | Input Field | Number of delivery days | Enter number of delivery days |
| 5 | Input Field | Name | Enter name |
| 6 | Input Field | Phone | Enter phone |
| 7 | Input Field | Address | Enter address |
| 8 | Input Field | Website | Enter website |
| 9 | Input Field | Description | Enter description |
| 10 | Dropdown List | Transportation | Choose type of transportation |
| 11 | Text Field | Show error message when happening | Show error message |
| 12 | Button | Update | Submit form to update supplier’s information |
| 13 | Button | Cancel | Back to login screen |

* 1. Dialogs

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Figure 6: Confirm Dialog

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Control type | Control name | Function |
| 1 | Icon | ? | Stand for Confirm type |
| 2 | Text Field | Are you sure to submit information | Message of confirm dialog |
| 3 | Button | YES | Answer: YES |
| 4 | Button | NO | Answer: NO |
| 5 | Button | CANCEL | No answer |

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Figure 7: Success Dialog

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Control type | Control name | Function |
| 1 | Icon | v | Stand for Success type |
| 2 | Text Field | Register successfully! | Message of success dialog |
| 3 | Button | OK | Close dialog |

* 1. Screen Transition

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Figure 8: Screen Transition

1. **Design class diagram**

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Figure 9: Design Class Diagram