

International School

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**User Interface Design Document**

**Version 1.3**

**Date:** 08/11/2022

**Craft Village Pollution Monitor System**

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**PROJECT INFORMATION**

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# **Introduction**

## Purpose

* This document helps to better understand the interface of the Comment Scraper Tool, detailed specification components and function of the system.
* With this document, the development team can understand detail the structure and composition to create a consistent and complete system.

## Scope

* Overview of the stages and modules of the system.
* Create complete interfaces and describe them clearly.

# List of User Interface

## Private User

**Table 1.** List of Private User User Interface

|  |  |  |
| --- | --- | --- |
| **User Interface ID** | **UI Name** | **Description** |
| **Mobile** | | |
| UI-01 | Login page | This is the login page of the User |
| UI-02 | Sign up page | This page for user account registration |
| UI-03 | Forget password page | This page to receive the password of the used account |
| UI-04 | Home page | This page shows the new survey creation function and the number of completed surveys |
| UI-05 | View all finished survey | This page to see all the surveys that users have taken |
| UI-06 | Sidebar | This page includes the function of view personal information, logout and change password |
| UI-07 | Change password page | This page to change the password for the account in use |
| UI-08 | Edit profile page | This page to change personal information |
| UI-09 | Survey Page | This page for users to take surveys |
| **Website** | | |
| UI-10 | Login Page | This is the login page of the User |
| UI-11 | Change Password | This page to change the password for the account in use |

## Local Authority

**Table 2.** List of Local Authority User Interface

|  |  |  |
| --- | --- | --- |
| **User Interface ID** | **UI Name** | **Description** |
| UI-12 | Login | This is the login page of Local Authority |
| UI-13 | Change Password | This page to change the password for the account in use |
| UI-14 | Forget Password | This page to receive the password of the used account |
| UI-15 | Local Authority Home Page | This page to see statistics about craft villages |
| UI-16 | Village Management Page | This page allows local authorities to add, remove proposals or create new craft villages. |

## Household

**Table 3.** List of Household User Interface

|  |  |  |
| --- | --- | --- |
| **User Interface ID** | **UI Name** | **Description** |
| UI-17 | Login | This is the login page of Household |
| UI-18 | Change Password | This page to change the password for the account in use |
| UI-19 | Forget Password | This page to receive the password of the used account |
| UI-20 | Register Page | This page is used to register a new account for Household |
| UI-21 | Survey Page | This page allows household heads to register their craft villages or register new craft villages if that craft village does not exist in the database |

## Admin

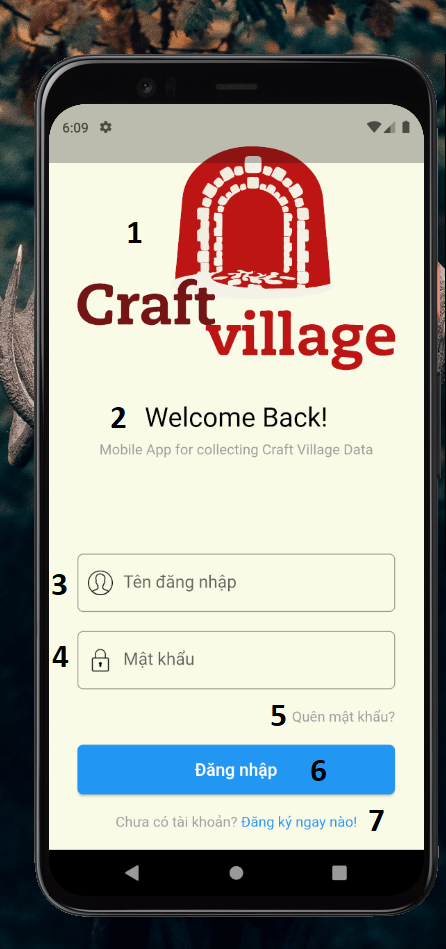
**Table 4.** List of Admin User Interface

|  |  |  |
| --- | --- | --- |
| **User Interface ID** | **UI Name** | **Description** |
| UI-22 | Login | This is the login page of Admin |
| UI-23 | Change Password | This page to change the password for the account in use |
| UI-24 | Forget Password | This page to receive the password of the used account |
| UI-25 | Create New Local Authority Page | This page to create a new local authority account. |

# Describe the User Interface

## Private User

### Login

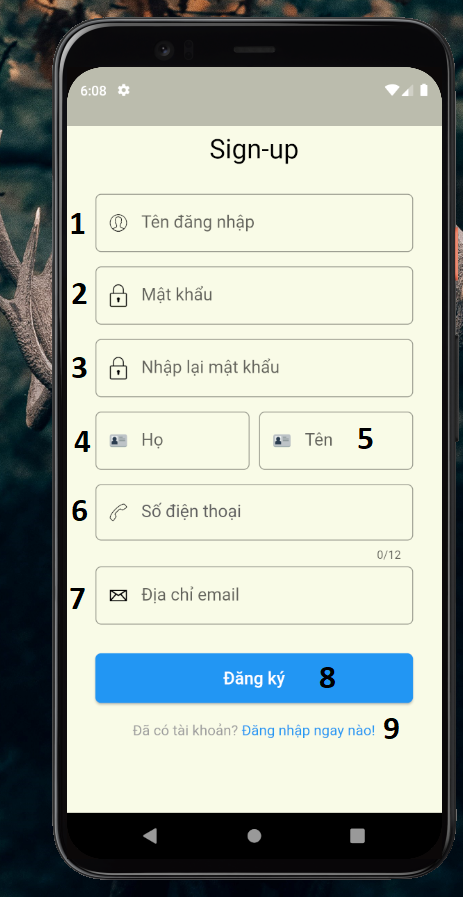


**Figure 1.** UI Login

**Table 5.** Element of UI Login

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | View | Image | Display image |  |
| 2 | View | Lable | Display text |  |
| 3 | Input | Textbox | Enter username |  |
| 4 | Input | Textbox | Enter password |  |
| 5 | Click | Hyperlink | Click to go to forget password page |  |
| 6 | Click | Button | Click to log in |  |
| 7 | Click | Hyperlink | Click to go to sign up page |  |

### Sign Up

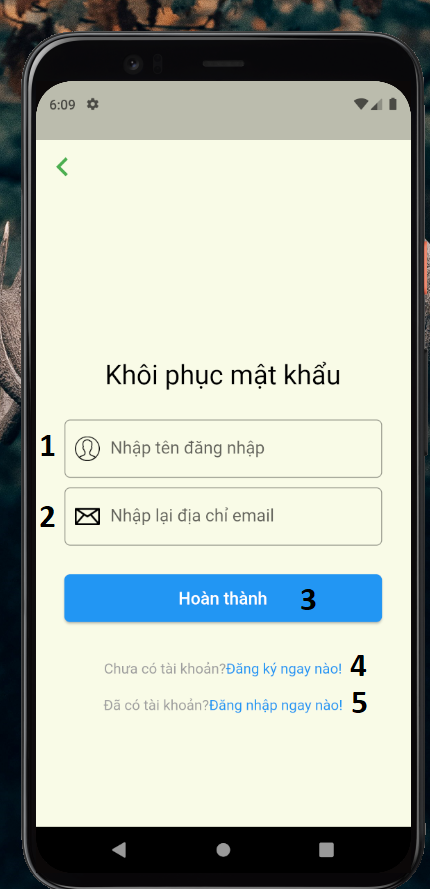


**Figure 2.** UI Sign Up

**Table 6.** Elements of UI Sign Up

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Input | Textbox | Enter username |  |
| 2 | Input | Textbox | Enter password |  |
| 3 | Input | Textbox | Enter password |  |
| 4 | Input | Textbox | Enter first name |  |
| 5 | Input | Textbox | Enter last name |  |
| 6 | Input | Textbox | Enter phone number |  |
| 7 | Input | Textbox | Enter email address |  |
| 8 | Click | Button | Click to register account |  |
| 9 | Click | Hyperlink | Click to go to log in page |  |

### Forget password page

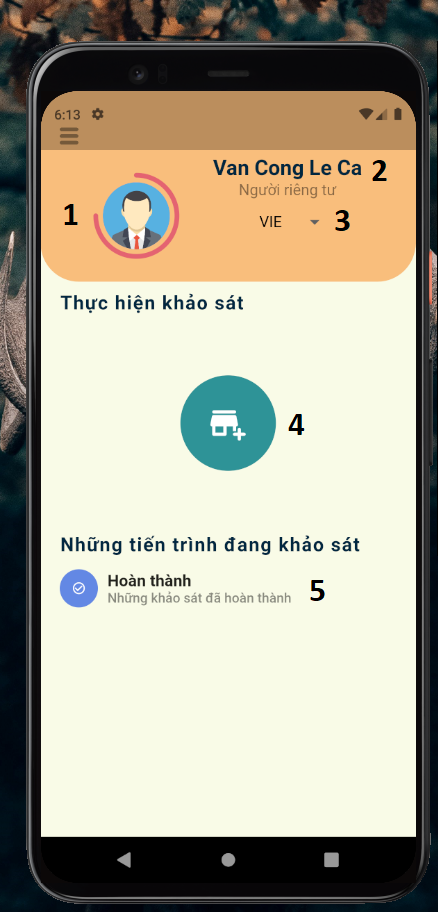


**Figure 3.** UI Forget Password

**Table 7.** Elements of UI Forget Password

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Input | Textbox | Enter username |  |
| 2 | Input | Textbox | Enter email address |  |
| 3 | Click | Button | Click to receive new password by email |  |
| 4 | Click | Hypertext | Click to go to the sign-up page |  |
| 5 | Click | Hypertext | Click to go to the login page |  |

### Home page

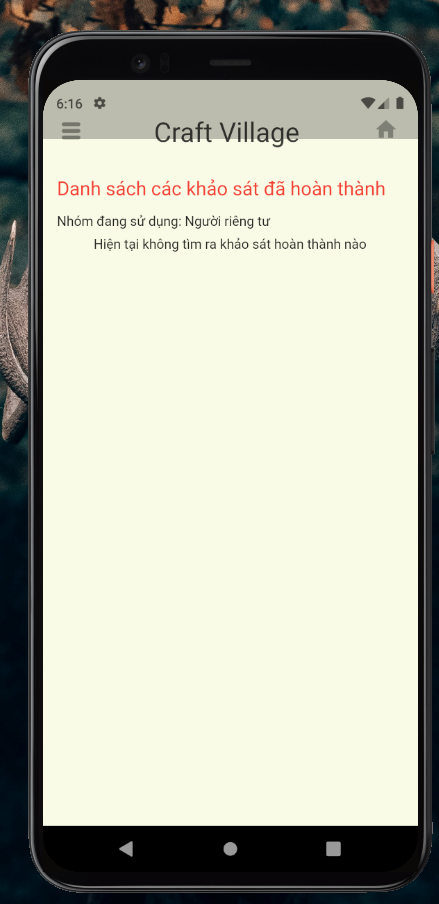


**Figure 4.** UI Home page

**Table 8.** Elements of Home Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | View | Image | Display profile picture |  |
| 2 | View | Lable | Display the first and last name of the user |  |
| 3 | Click | DropDownList | Click to select display language |  |
| 4 | Click | Image Button | Click to create a new survey |  |
| 5 | Click | Hyperlink | Click to view all finished survey |  |

### View all finished survey

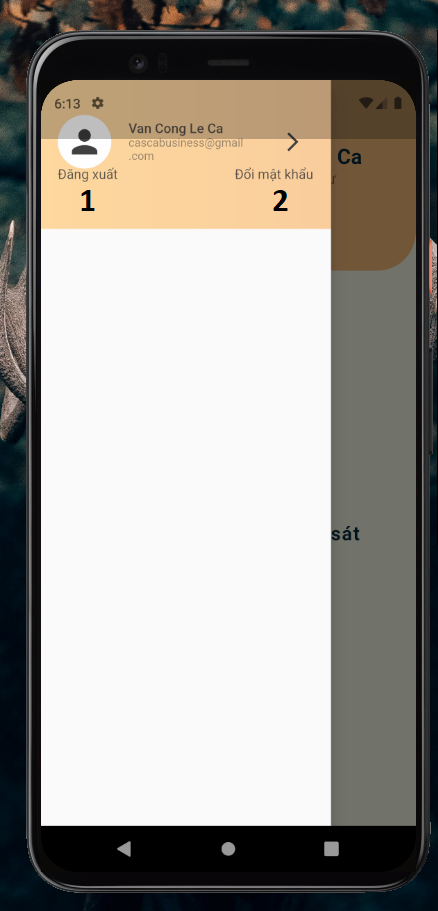


**Figure 5.** UI View All Finished Survey

**Table 9.** Elements of View All Finished Survey

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Click | Button | Update class information |  |
| 2 | Click | Button | Delete class |  |

### Sidebar

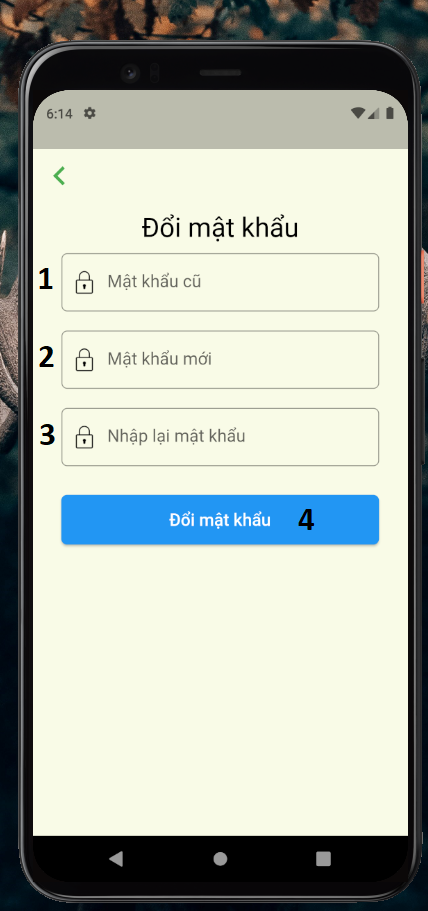


**Figure 6.** UI Sidebar

**Table 10.** Elements of UI Sidebar

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Click | Hyperlink | Click to go to login page |  |
| 2 | Click | Hyperlink | Click to go to change password page |  |

### Change password

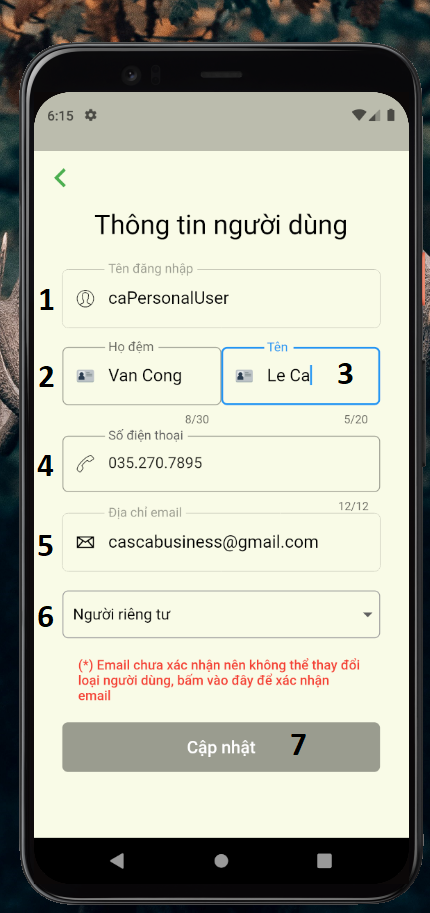


**Figure 7.** UI Change Password

**Table 11.** Elements of UI Change Password

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Input | Textbox | Enter the current password |  |
| 2 | Input | Textbox | Enter the new password |  |
| 3 | Input | Textbox | Enter the new password again |  |
| 4 | Click | Button | Click to change password |  |

### Edit profile

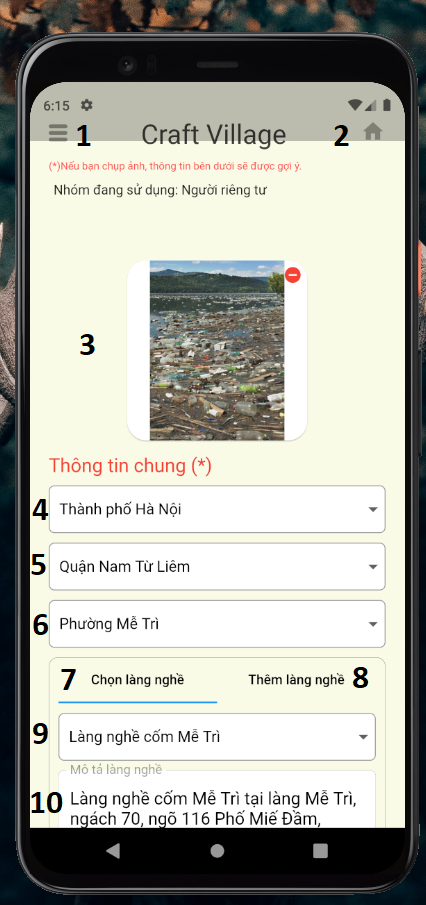


**Figure 8.** UI of Edit Profile

**Table 12.** Elements of UI Edit Profile

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Input | Textbox | Enter the username |  |
| 2 | Input | Textbox | Enter the firstname |  |
| 3 | Input | Textbox | Enter the lastname |  |
| 4 | Input | Textbox | Enter the phone number |  |
| 5 | Input | Textbox | Enter the email address |  |
| 6 | Click | DropDownList | Click to choose the account type |  |
| 7 | Click | Button | Click to update personal information |  |

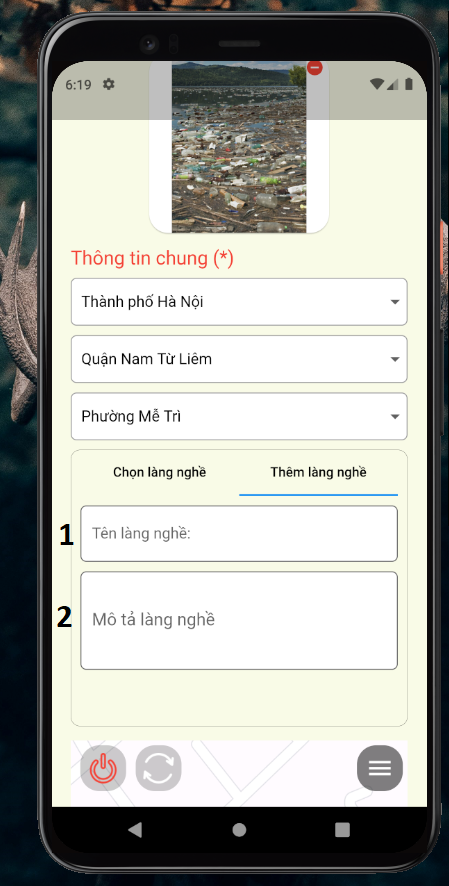
### Survey page



**Figure 9.** UI of Survey Page 1

**Table 13.** Elements of Survey Page 1

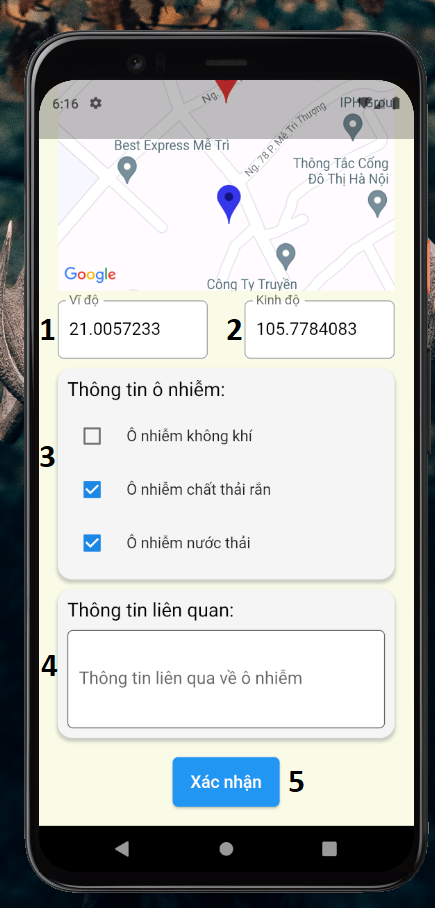
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Click | ImageButton | Click to show the sidebar |  |
| 2 | Click | ImageButton | Click to go to the home page |  |
| 3 | Input | Image | Take a photo |  |
| 4 | Click | DropDownList | Click to select province/city |  |
| 5 | Click | DropDownList | Click to select district |  |
| 6 | Click | DropDownList | Click to select ward |  |
| 7 | Click | TaskButton | Click to fill in the information |  |
| 8 | Click | TaskButton | Click to fill in the new craft village information |  |
| 9 | Click | DropDownList | Click to select a craft village |  |
| 10 | Input | Textbox | Enter the description of the craft village |  |



**Figure 10.** UI of Survey Page 2

**Table 14.** Elements of UI Survey Page 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Input | Textbox | Enter the name of craft village |  |
| 2 | Input | Textbox | Enter the description of the craft village |  |



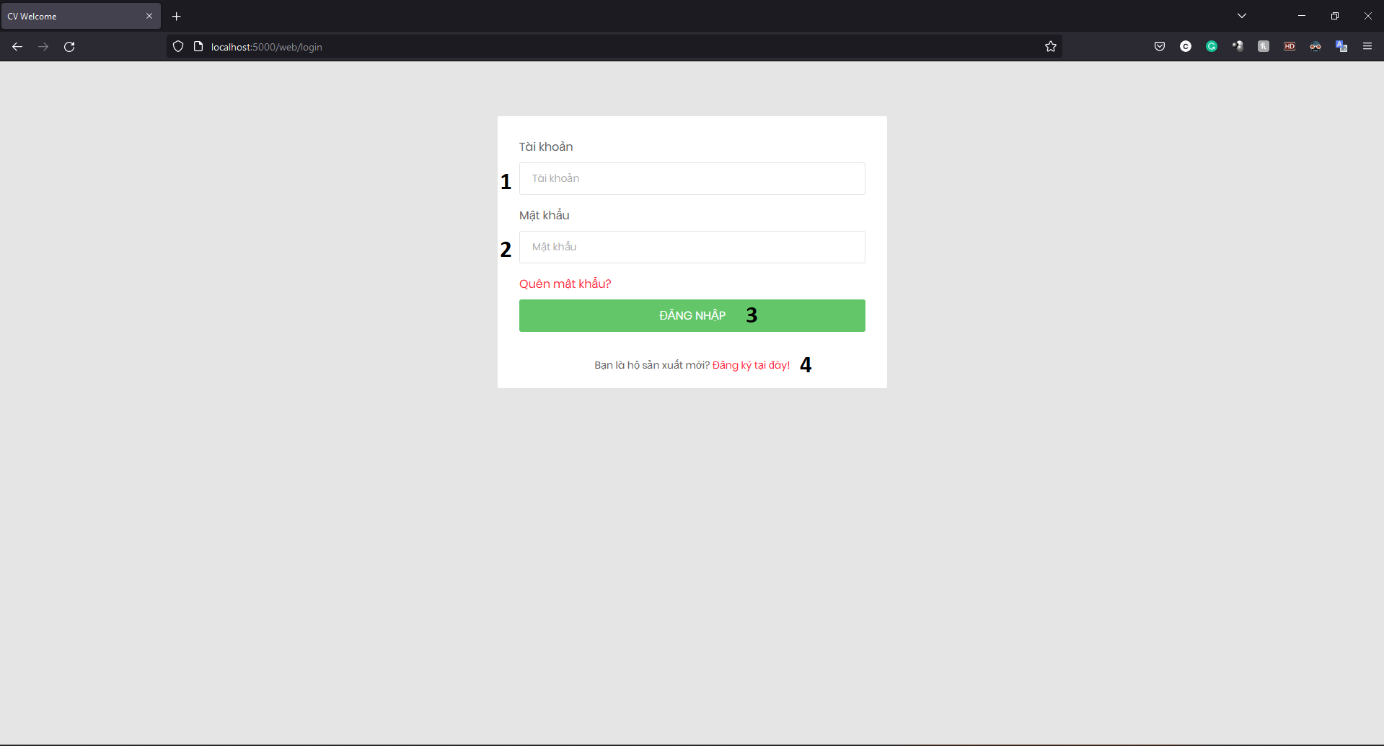
**Figure 11.** UI of Survey Page 3

**Table 15.** Elements of UI Survey Page 3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Input | Textbox | Enter latitude |  |
| 2 | Input | Textbox | Enter longitude |  |
| 3 | Click | RadioButtonList | Click to select pollution type |  |
| 4 | Input | Textbox | Enter relevant information about pollution |  |
| 5 | Click | Button | Click to confirm and submit the survey |  |

## Local Authority

### Login Page

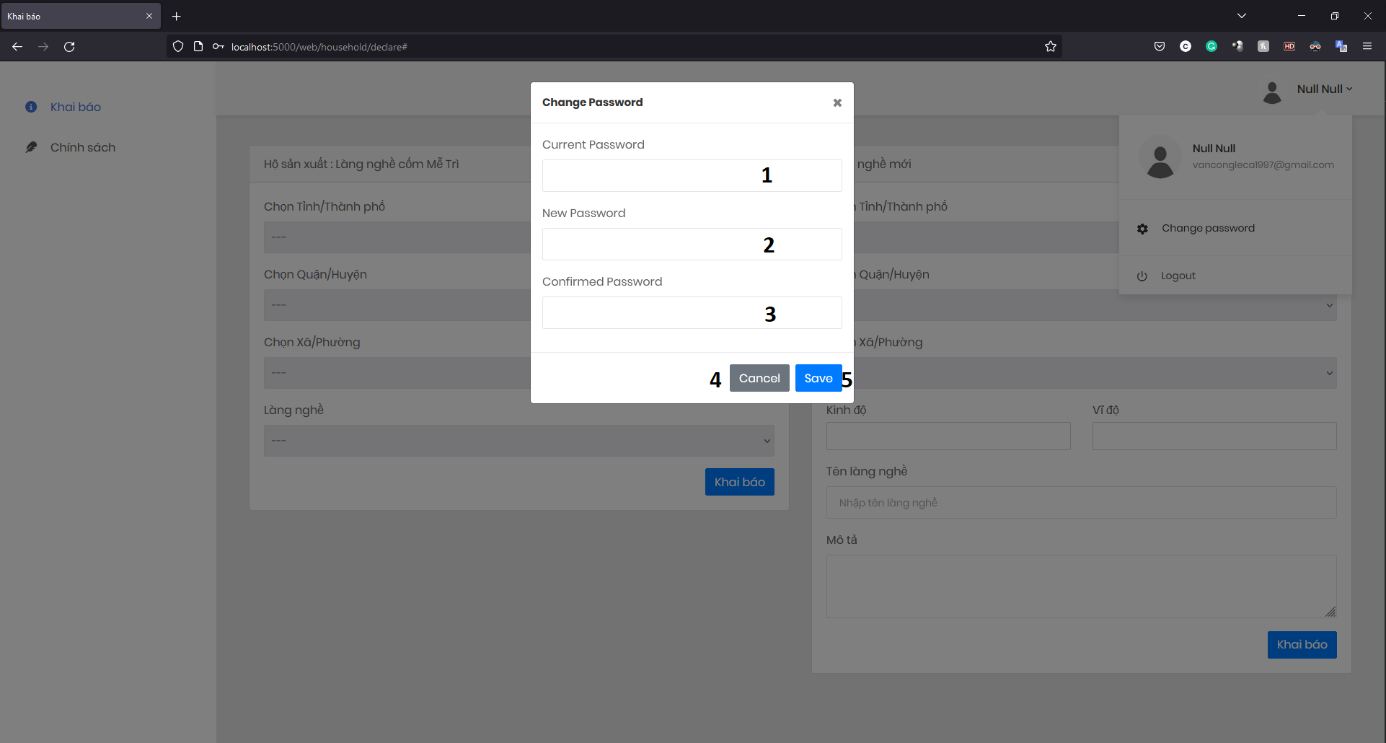


**Figure 12.** UI of Login Page on Website

**Table 16.** Elements of UI Login on Website

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Input | Textbox | Enter the username |  |
| 2 | Input | Textbox | Enter the password |  |
| 3 | Click | Button | Click to go to home page |  |
| 4 | Click | Hyperlink | Click to go to register page |  |

### Change Password Page

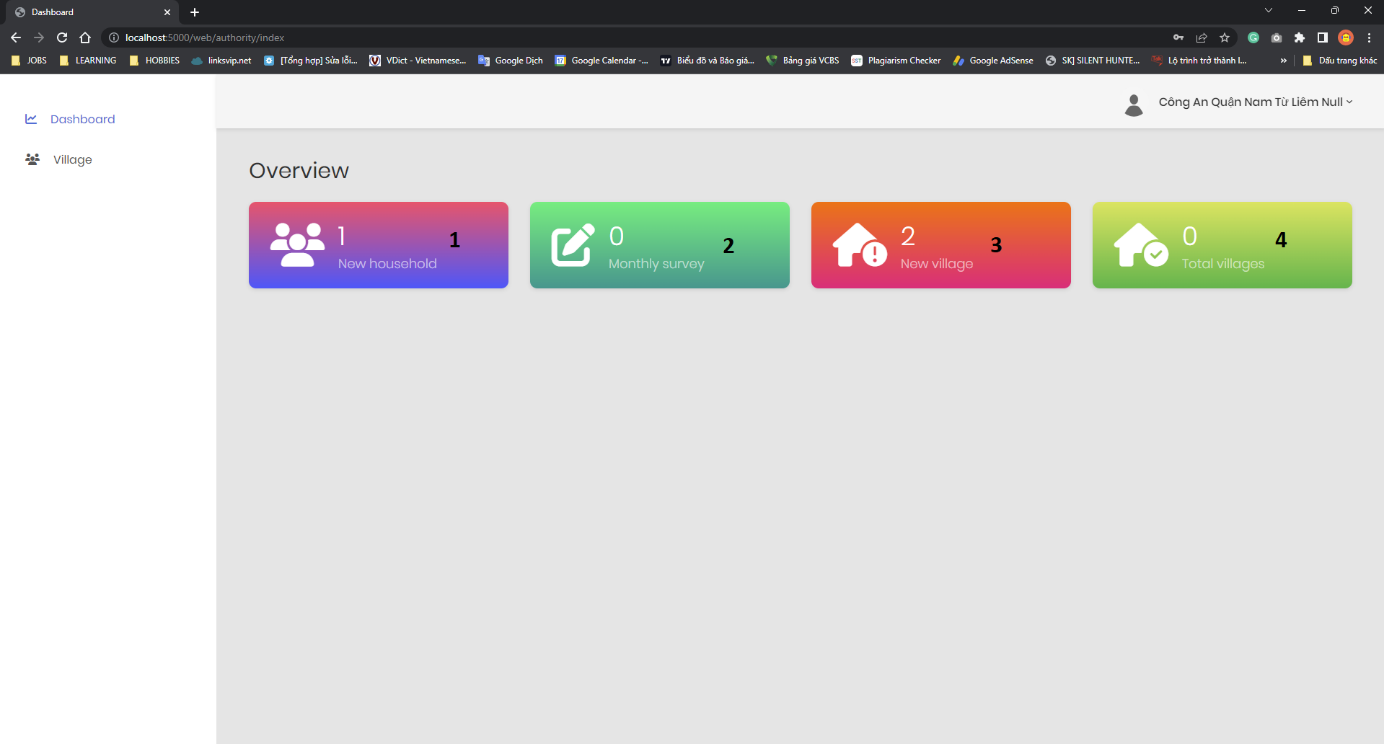


**Figure 13.** UI of Change Password Page

**Table 17.** Elements of UI Change Password Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Input | Textbox | Enter the current password |  |
| 2 | Input | Textbox | Enter the new password |  |
| 3 | Input | Textbox | Enter the new password again |  |
| 4 | Click | Button | Cancel the password change operation |  |
| 5 | Click | Button | Click to change the password for the account |  |

### Local Authority Home Page

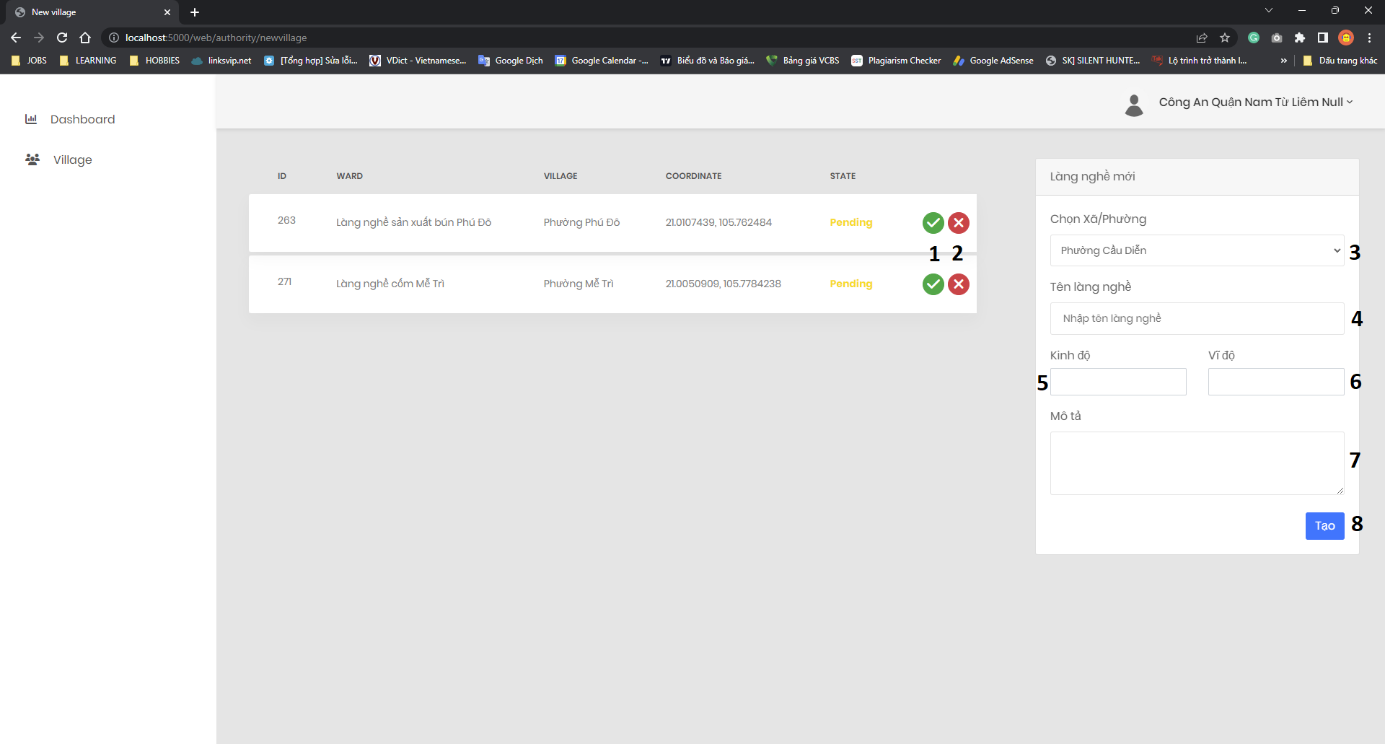


**Figure 14.** UI of Local Authority Home Page

**Table 18.** Elements of UI Local Authority Home Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | View | Lable | Display the number of new households |  |
| 2 | View | Lable | Display the number of surveys |  |
| 3 | View | Lable | Display the number of the new village |  |
| 4 | View | Lable | Display the total village of the ward |  |

### Village Management Page



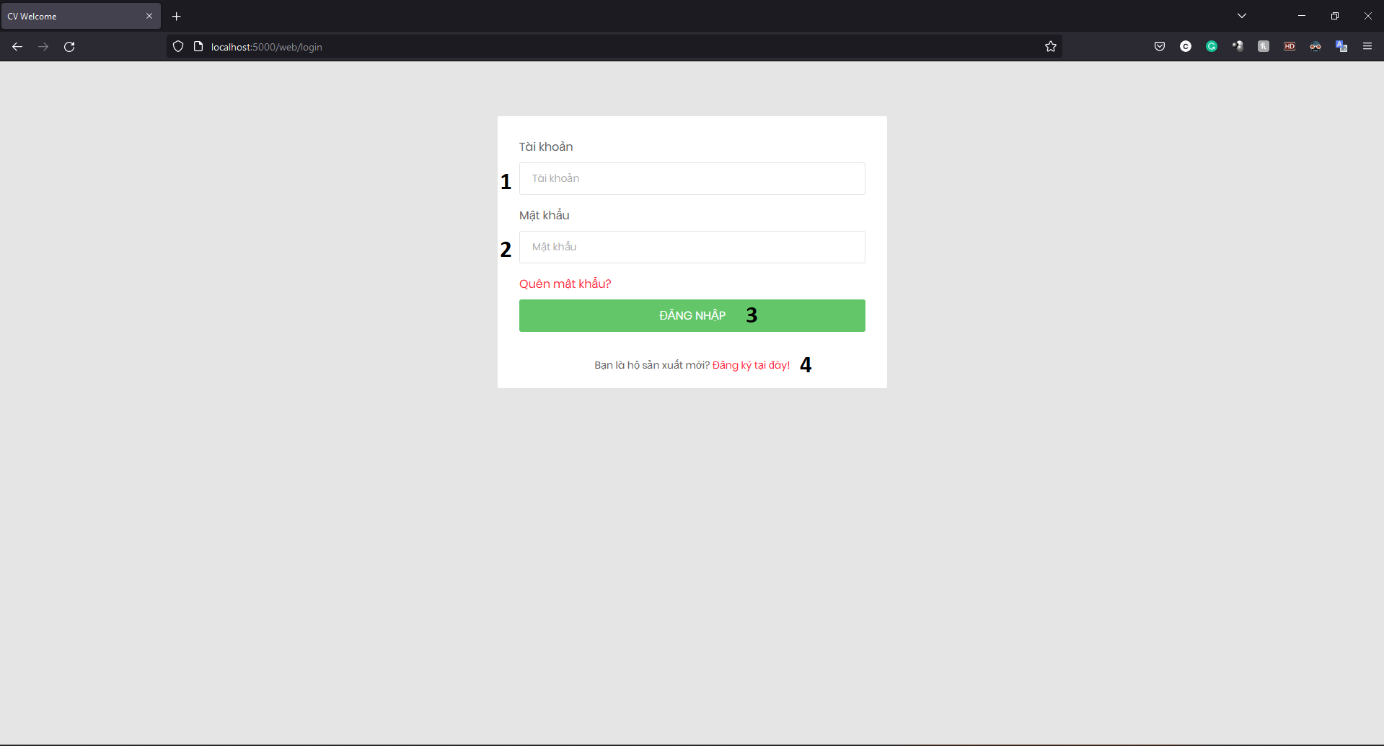
**Figure 15.** UI of Village Management Page

**Table 19.** Elements of UI Village Management Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Click | Button | Accept the request to add a new craft village |  |
| 2 | Click | Button | Decline the request to add a new craft village |  |
| 3 | Click | DropDownList | Select ward |  |
| 4 | Input | Textbox | Enter the name of village |  |
| 5 | Input | Textbox | Enter longitude |  |
| 6 | Input | Textbox | Enter latitude |  |
| 7 | Input | Textbox | Enter a description of the craft village |  |
| 8 | Click | Button | Add new craft village |  |

## Household

### Login Page

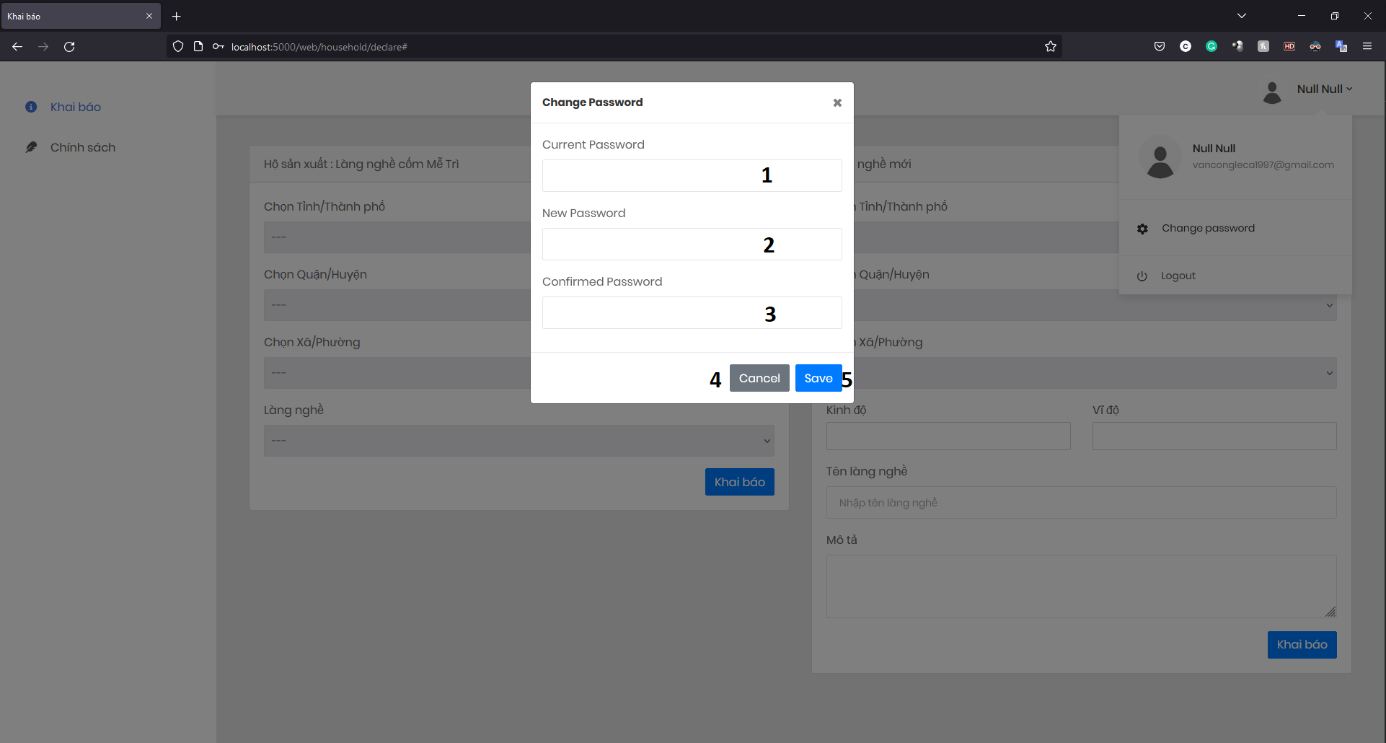


**Figure 16.** UI of Login Page on Website

**Table 20.** Elements of UI Login Page on Website

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Input | Textbox | Enter the username |  |
| 2 | Input | Textbox | Enter the password |  |
| 3 | Click | Button | Click to go to home page |  |
| 4 | Click | Hyperlink | Click to go to register page |  |

### Change Password Page

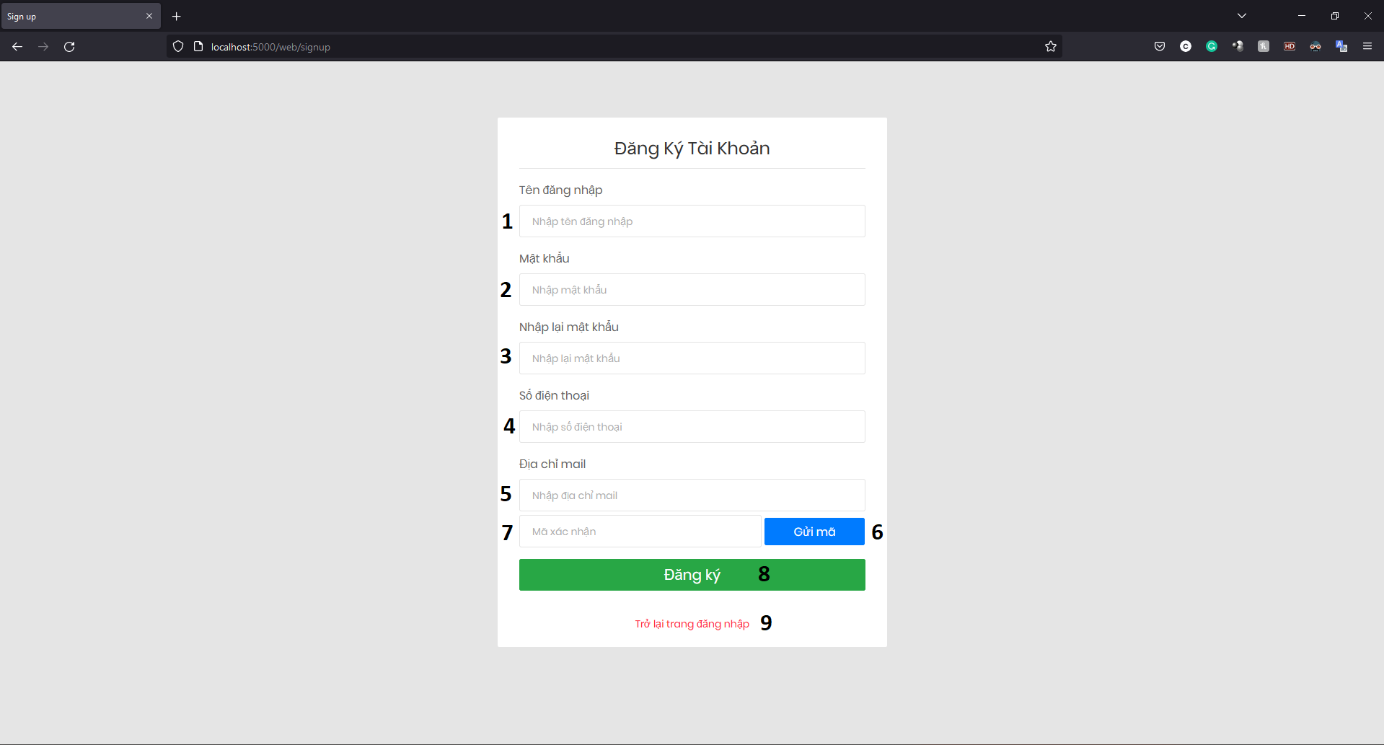
****

**Figure 17.** UI of Change Password Page

**Table 21.** Elements of UI Change Password Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Input | Textbox | Enter the current password |  |
| 2 | Input | Textbox | Enter the new password |  |
| 3 | Input | Textbox | Enter the new password again |  |
| 4 | Click | Button | Cancel the password change operation |  |
| 5 | Click | Button | Click to change the password for the account |  |

### Register Page

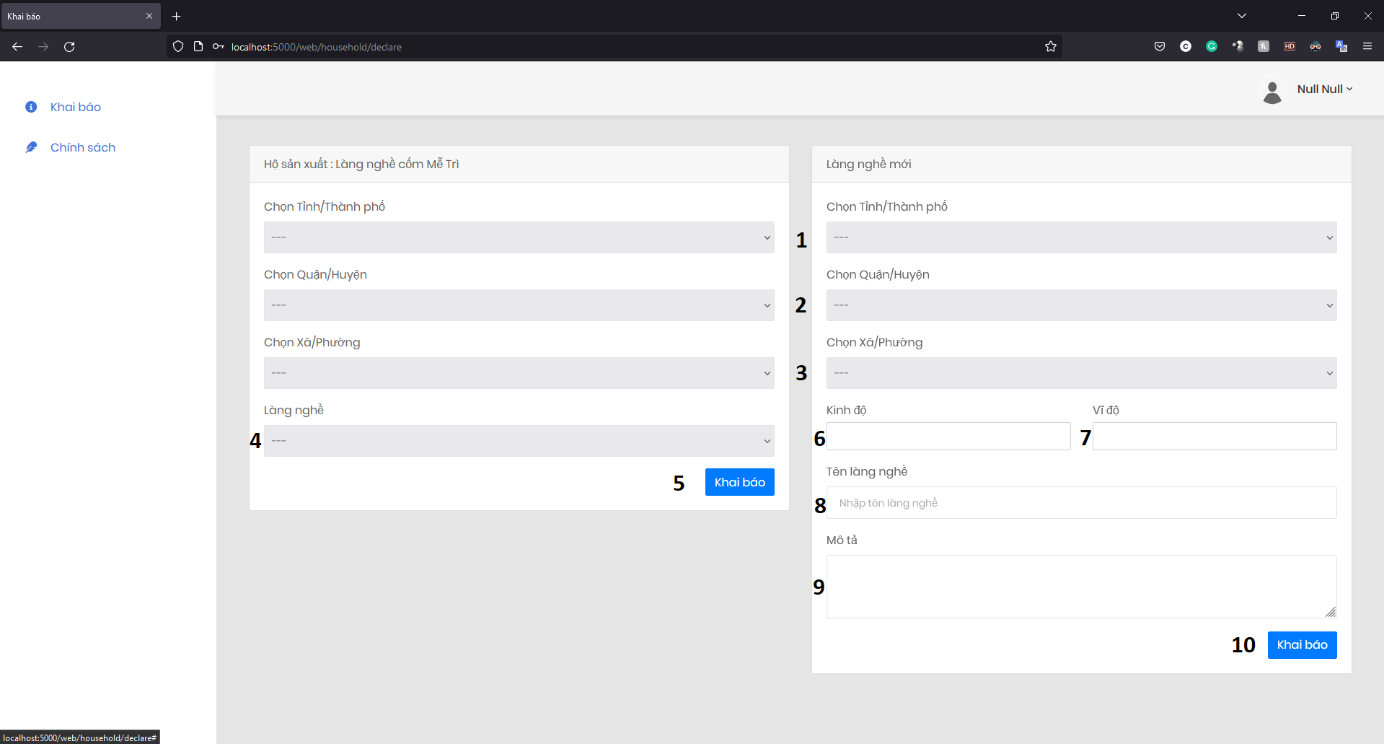


**Figure 18.** UI of Register Page

**Table 22.** Elements of UI Register Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Input | Textbox | Enter the username |  |
| 2 | Input | Textbox | Enter the password |  |
| 3 | Input | Textbox | Enter the password again |  |
| 4 | Input | Textbox | Enter the phone number |  |
| 5 | Input | Textbox | Enter the email address |  |
| 6 | Click | Button | Click to send confirmation code to email |  |
| 7 | Input | Textbox | Enter the confirmation code from email |  |
| 8 | Click | Button | Click to complete account registration |  |
| 9 | Click | Hyperlink | Click to return the login page |  |

### Household Survey Page

****

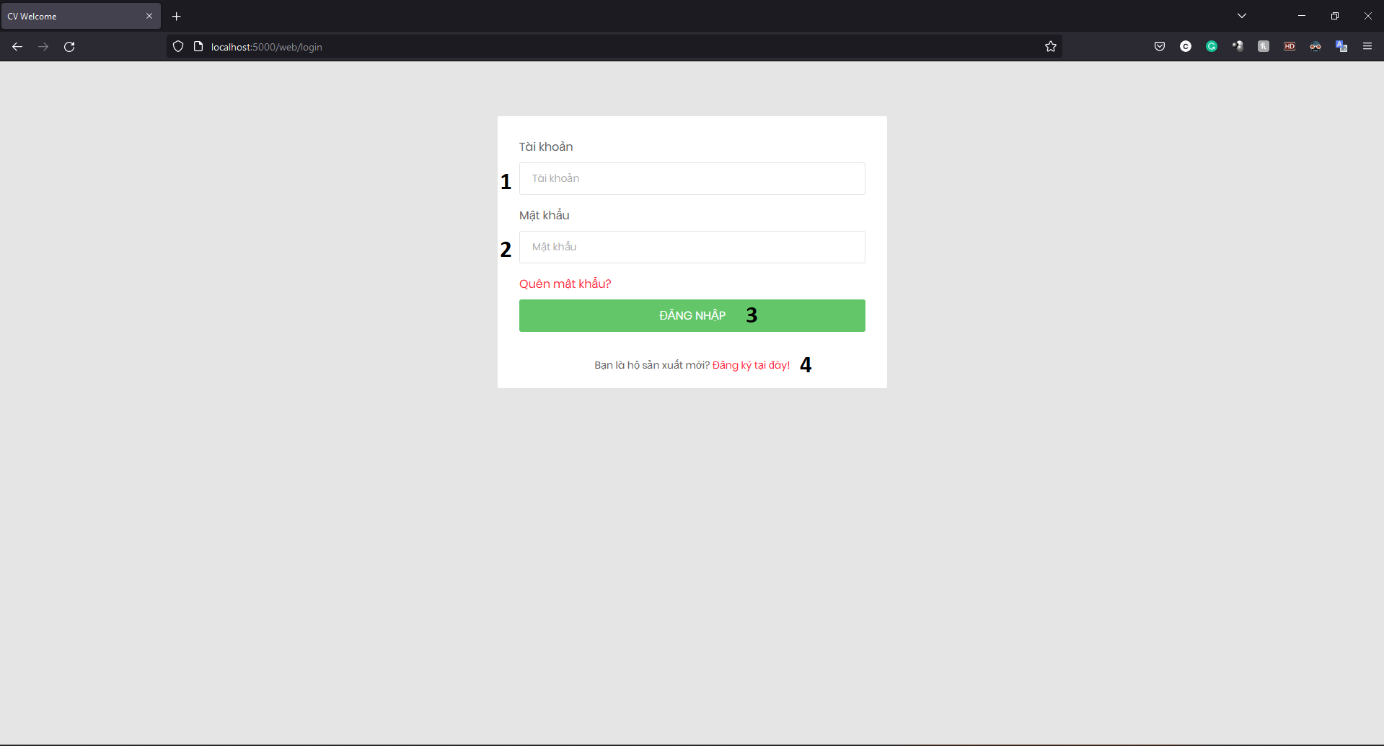
**Figure 19.** UI of Survey Page

**Table 23.** Elements of UI Survey Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Click | DropDownList | Click to select province/city |  |
| 2 | Click | DropDownList | Click to select district |  |
| 3 | Click | DropDownList | Click to select ward |  |
| 4 | Click | DropDownList | Click to select village |  |
| 5 | Click | Button | Click to declare a new craft village |  |
| 6 | Input | Textbox | Enter the longtitude |  |
| 7 | Input | Textbox | Enter the latitude |  |
| 8 | Input | Textbox | Enter the name of village |  |
| 9 | Input | Textbox | Enter a description of the craft village |  |
| 10 | Click | Button | Click to declare a new craft village |  |

## Admin

### Login Page

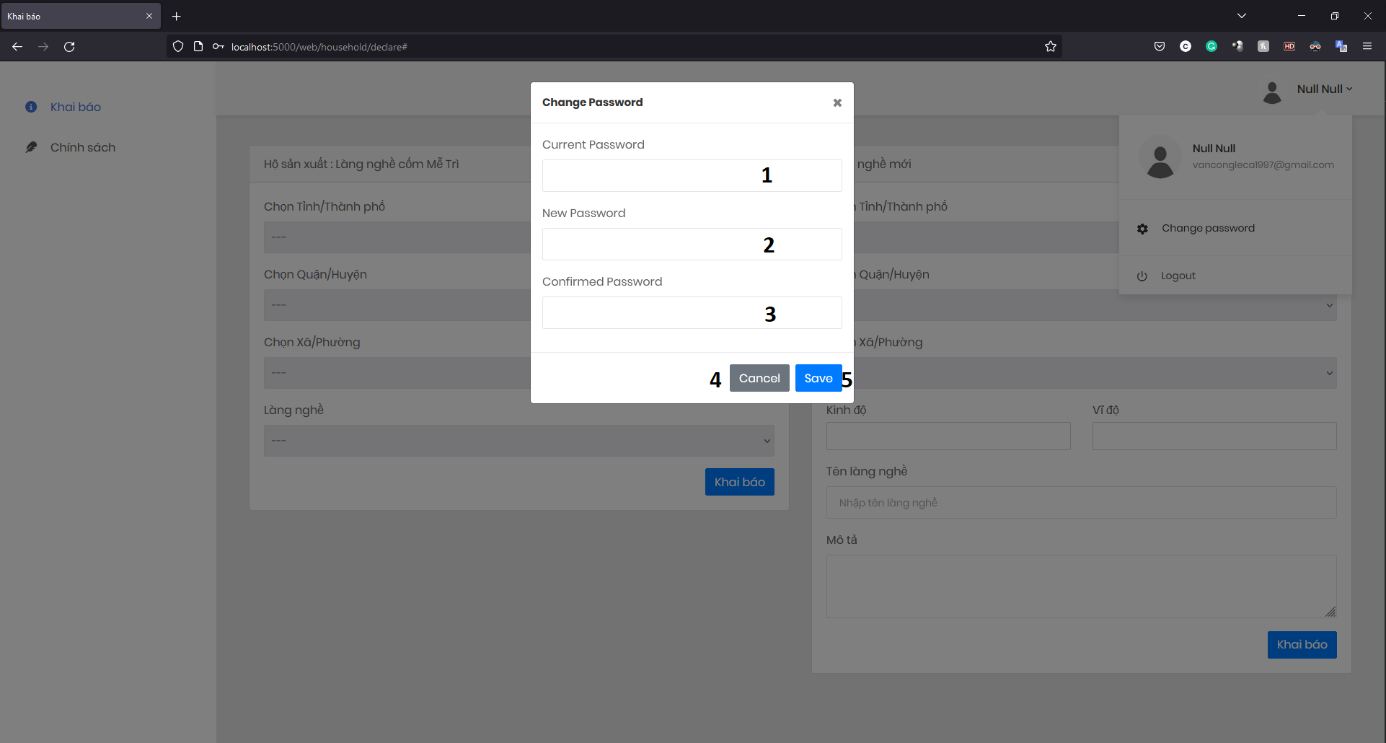


**Figure 20.** UI of Login Page on Website

**Table 24.** Elements of UI Login Page on Website

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Input | Textbox | Enter the username |  |
| 2 | Input | Textbox | Enter the password |  |
| 3 | Click | Button | Click to go to home page |  |
| 4 | Click | Hyperlink | Click to go to register page |  |

### Change Password Page

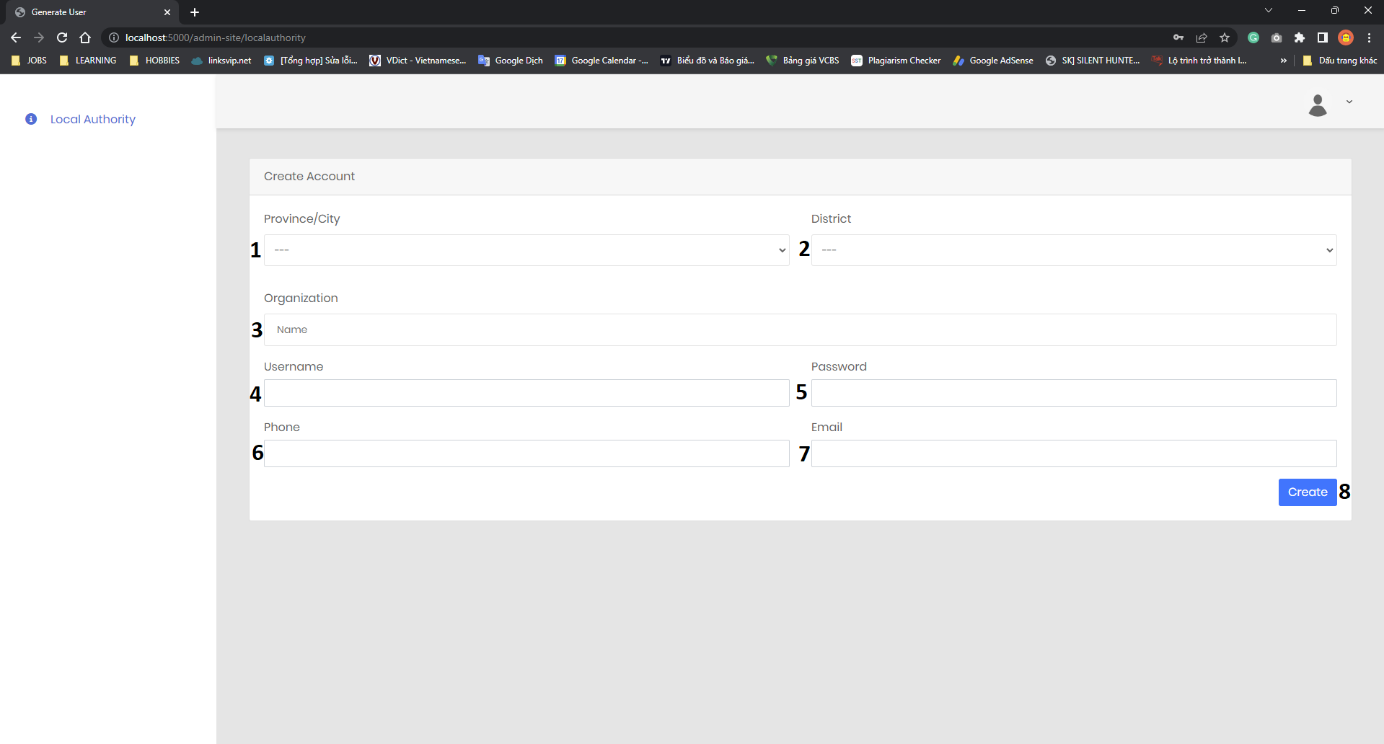
****

**Figure 21.** UI of Change Password Page

**Table 25.** Elements of UI Change Password Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Input | Textbox | Enter the current password |  |
| 2 | Input | Textbox | Enter the new password |  |
| 3 | Input | Textbox | Enter the new password again |  |
| 4 | Click | Button | Cancel the password change operation |  |
| 5 | Click | Button | Click to change the password for the account |  |

### Create New Local Authority Page



**Figure 22.** UI of Create New Local Authority Page

**Table 26.** Elements of UI Create New Local Authority Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| From | Condition | Control Type | Target | Notes |
| 1 | Click | DropDownList | Click to select province/city |  |
| 2 | Click | DropDownList | Click to select district |  |
| 3 | Input | Textbox | Enter the name of organization |  |
| 4 | Input | Textbox | Enter the username |  |
| 5 | Input | Textbox | Enter the password |  |
| 6 | Input | Textbox | Enter the phone number |  |
| 7 | Input | Textbox | Enter the email address |  |
| 8 | Click | Button | Click to create a new local authority |  |