

Use Case Overview for Application Data Entry, Application Mapping and Tablet Application Printing

Application Data Entry Use Cases

Health Inspection Report Data Entry

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Septic Tank Data Entry

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Water Well Data Entry

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Use Case Overview

Health Inspection Report Data Entry

Use case: Health Inspection Data Entry

- 1.) User opens the data entry form.
- 2.) User fills out the form.
- 3.) Application verifies no missing fields or bad input.
- 4.) User verifies that the form has been filled out correctly.
- 5.) User submits the form

Use case: Health Inspection Data Editing

- 1.) User looks up a previously filled out form.
- 2.) The application pulls up the form.
- 3.) User submits changes to the form.
- 4.) User verifies that the form has been filled out correctly.
- 5.) User submits the form.

Use case: Health Inspection Data Removal

- 1.) User looks up a previously filled out form.
- 2.) The application pulls up the form.
- 3.) User opts to delete the form entry.
- 4.) The application verifies this action with the user.
- 5.) The application deletes the form.

Septic Tank Data Entry

Use case: Septic Tank Data Entry

- 1.) User opens the data entry form.
- 2.) User fills out the form.
- 3.) Application verifies no missing fields or bad input.
- 4.) User verifies that the form has been filled out correctly.
- 5.) User submits the form

Use case: Septic Tank Data Editing

- 1.) User looks up a previously filled out form.
- 2.) The application pulls up the form.
- 3.) User submits changes to the form.
- 4.) User verifies that the form has been filled out correctly.
- 5.) User submits the form.
- 6.) User saves the form.

Use case: Septic Tank Data Removal

- 1.) User looks up a previously filled out form.
- 2.) The application pulls up the form.
- 3.) User opts to delete the form entry.
- 4.) The application verifies this action with the user.
- 5.) The application deletes the form.

Water Well Data Entry

Use case: Water Well Data Entry

- 1.) User opens the data entry form.
- 2.) User fills out the form.
- 3.) Application verifies no missing fields or bad input.
- 4.) User verifies that the form has been filled out correctly.
- 5.) User submits the form

Use case: Water Well Data Editing

- 1.) User looks up a previously filled out form.
- 2.) The application pulls up the form.
- 3.) User submits changes to the form.
- 4.) User verifies that the form has been filled out correctly.
- 5.) User submits the form.
- 6.) User saves the form.

Use case: Water Well Data Removal

- 1.) User looks up a previously filled out form.
- 2.) The application pulls up the form.
- 3.) User opts to delete the form entry.
- 4.) The application verifies this action with the user.
- 5.) The application deletes the form.

Mapping Use Cases

Use Case : User clicks on map

- 1.) User clicks on map.
- 2.) Click is registered by map.
- 3.) Clicking on map doesn't activate any functions so nothing happens and map stays static

Use Case : User clicks on well

- 1.) User clicks on well.
- 2.) Click is registered by well.
- 3.) Information for current well pops up and is displayed

Use Case : User clicks on septic system

- 1.) User clicks on septic system.
- 2.) Click is registered by septic system.
- 3.) Information for current septic system pops up and is displayed

Use Case : User clicks on map, but click isn't registered

- 1.) User clicks on map.
- 2.) Click isn't registered by map.
- 3.) Since click isn't registered, nothing happens

Use Case : User clicks on well, but click isn't registered

- 1.) User issues click command other than left click
- 2.) Return error pop-up indicating invalid input

Use Case : User clicks on septic system, but didn't give a valid click command

- 1.) User issues click command other than left click
- 2.) Return pop-up indicating invalid input

Use Case : There's no wells in the database for the map to load

- 1.) User opens mapping application
- 2.) Return a pop-up indicating issues connecting to the database
- 3.) Activate retry database button

Use case: Database connectivity issues

- 1.) User opens the map
- 2.) Application notifies the user about database connectivity issue
- 3.) Application prompts the user to retry manually via button
- 4.) Repeat step 3 until application connects to the database

Use case: User is not logged in

- 1.) Application checks user authentication
- 2.) If the user is not logged in, the map is blurred out and the user is prompted to log in
- 3.) Map is unblurred after the user successfully logged in

Tablet Application Printing Use Cases

Use case: Print restaurant inspection form

- 1.) User clicks print for a filled out food inspection form
- 2.) Application formats the previously entered data into the original restaurant inspection form (i.e., the official form)
- 3.) Application sends the formatted form to a printer

Use case: Print septic tank inspection form

- 1.) User clicks print for a filled out septic tank inspection form
- 2.) Application formats the previously entered data into the original septic tank inspection form (i.e., the official form)
- 3.) Application sends the formatted form to a printer

Use case: Crop specific portion of inspection form to print

- 1.) User clicks on crop button
- 2.) Application generates a crop window
- 3.) User selects specific area of form with crop window
- 4.) Application sends specific area of form to printer

Use case: Crop specific portion of septic tank form to print

- 5.) User clicks on crop button
- 6.) Application generates a crop window
- 7.) User selects specific area of form with crop window
- 8.) Application sends specific area of form to printer

Use case: Printing failure due to missing data of the food inspection form

- 1.) User clicks on the print button for a partial filled food inspection form
- 2.) Application generates a window for missing data
- 3.) Printing process stopped

Use case: Printing failure due to missing data of the septic tank form

- 4.) User clicks on the print button for a partial filled septic tank form
- 5.) Application generates a window for missing data
- 6.) Printing process stopped