Sequence Diagrams

# Login

Graphical user interface, application

Description automatically generated

Text box with a maximum length of 30 for the user to enter the password associated with the username, required field.

Text box with a maximum length of 30 for the user to enter their username, required field.

Button that logs in to the associated account and take the user to the main menu.

Button that cancels the operation.

# Graphical user interface, diagram Description automatically generatedMain Menu

Button that loads the Produce Sites Report Form and take the user to the Form.

Button that loads the Produce Land Uses Report Form and take the user to the Form.

Button that closes the application.

Button that loads the Update Land Use Form and take the user to the Form.

Button that loads the Remove Land Use Form and take the user to the Form.

Button that loads the Assign Land Use Form and take the user to the Form.

Button that loads the Add Site Form and take the user to the Form.

Button that loads the Update Site Form and take the user to the Form.

Button that loads the Delete Site Form and take the user to the Form.

# Add Site

Graphical user interface, text, application

Description automatically generatedGraphical user interface, application

Description automatically generated

Drop Down box shows a list of Site Types, required field which show maximum length of 21 based on a range of site types. Drop Down box will show as:

Button that saves the Site details and displays the “Site added successfully” message.

Button that returns the user to the main menu.

Drop Down box shows a list of Statuses, required field which show maximum length of 10 based on a range of Statuses. Drop Down box will show as:

Text box with a maximum length of 5 for the user to enter the Altitude of the Site, required field.

Text box with a maximum length of 30 for the user to enter the Site name of the Site, required field.

Text box with a maximum length of 10 for the user to enter the Area of the Site, required field.

# Update Site

Read only text box shows the Site ID of the Site, which show maximum length of 5 based on the Primary Key of the site.

Text box with a maximum length of 30 for the user to modify the Site name of the Site, required field.

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Text box with a maximum length of 5 for the user to modify the Altitude of the Site, required field.

Drop Down box shows a list of Site Types, required field which show maximum length of 21 based on a range of site types. Drop Down box will show as:

Text box with a maximum length of 10 for the user to modify the Area of the Site, required field.

Button that returns the user to the main menu.

Button that saves the Site details and displays the “Site updated successfully” message.

Drop Down box shows a list of Statuses, required field which show maximum length of 10 based on a range of Statuses. Drop Down box will show as:

Read and select only List box that shows the unique Site ID and Site Name, required field which shows an up to 5 number Primary key. The List box shows as:

# Delete Site

Graphical user interface, application

Description automatically generated

Read only text box shows the Site ID of the Site, which show maximum length of 5 based on the Primary Key of the site.

Read only text box that shows the user the Site name of the Site.

Read only text box shows the user the Site Type of the Site.

Button that returns the user to the main menu.

Button that deletes the Site details and displays the “Site deleted successfully” message.

Read only text box that shows the user the Status of the Site.

Read and select only List box that shows the unique Site ID and Site Name, required field which shows an up to 5 number Primary key. The List box shows as:

# Produce Sites Report

Graphical user interface, text

Description automatically generated

Read-only text box set up in multi-line mode with vertical scroll bar.

Button that collects the required data and displays the site report (sorted by Site habitat name in Site name) in read-only text box here:

Button that returns the user to the main menu.

# Assign Land Use

Read only List box shows a list of assigned Land uses, based on the Assigned Land Use Data Table. List box will show as:

Read and select only List box that shows the unique Site Habitat ID and Site Habitat Name, required field which shows an up to 6 number Primary key. The List box shows as:

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, text

Description automatically generated

Read only text box that shows the user the Site name of the Site.

Read only text box shows the Site Habitat ID of the Site Habitat, which show maximum length of based on the Primary Key of the site.

Read only text box that shows the user the Description of the selected Land Use.

Read only text box that shows the user the Land Use ID of the Selected Land Use.

Read only text box that shows the user the Site Status of the Site.

List box shows a list of Land Use Types, required field based on the Land Use Data Table. List box will show as:

Drop Down box shows a list of Impacts, required field which show maximum length of 6 based on a range of Impacts. Drop Down box will show as:

Button that returns the user to the main menu.

Button that saves the Site details and displays the “Land use assigned successfully” message.

Read only text box that shows the user the Site Habitat name of the Site Habitat.

# Remove Land Use

Read only text box shows the Site Habitat ID of the Site Habitat, which show maximum length of 6 based on the Primary Key of the site.

Read only text box that shows the user the Site Habitat name of the Site Habitat.

Read and select only List box that shows the unique Site Habitat ID and Site Habitat Name, required field which shows an up to 6 number Primary key. The List box shows as:

Graphical user interface, application, Word

Description automatically generated

Button that returns the user to the main menu.

Button that saves the Site details and displays the “Land use removed successfully” message.

Read only text box that shows the user the Description of the Assigned Land Use.

Read only text box that shows the user the Land Use ID of the Assigned Land Use.

Read only text box that shows the user the Impact of the Assigned Land Use.

Read only List box shows a list of assigned Land uses, based on the Assigned Land Use Data Table. List box will show as:

Read only text box that shows the user the Site Status of the Site.

Read only text box that shows the user the Site name of the Site.

# Update Land Use

Read only text box shows the Land Use ID of the Land Use, which show maximum length of 3 based on the Primary Key of the site.

Graphical user interface, text, application, chat or text message

Description automatically generatedGraphical user interface, application

Description automatically generated

Read and select only List box that shows the unique Land Use ID and Land Use Description, required field which shows an up to 3 number Primary key. The List box shows as:

Drop Down box shows a list of Land Use Types, required field which show maximum length of 15 based on a range of Land Use types. Drop Down box will show as:

Button that saves the Site details and displays the “Land Use updated successfully” message.

Button that returns the user to the main menu.

Text box with a maximum length of 30 for the user to enter the land use description of the Land Use, required field.

# Produce Land Uses Report

Graphical user interface, application

Description automatically generated

Read-only text box set up in multi-line mode with vertical scroll bar.

Button that returns the user to the main menu.

Button that collects the required data and displays the site report (sorted by Site habitat name in Land use description) in read-only text box here: