



Diploma in
Information Technology

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Semester 1 (Stage 3A)

Proposed Project: Directie

Web Application
User Guide

Group 1

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1.0 Logging In to the Web Portal

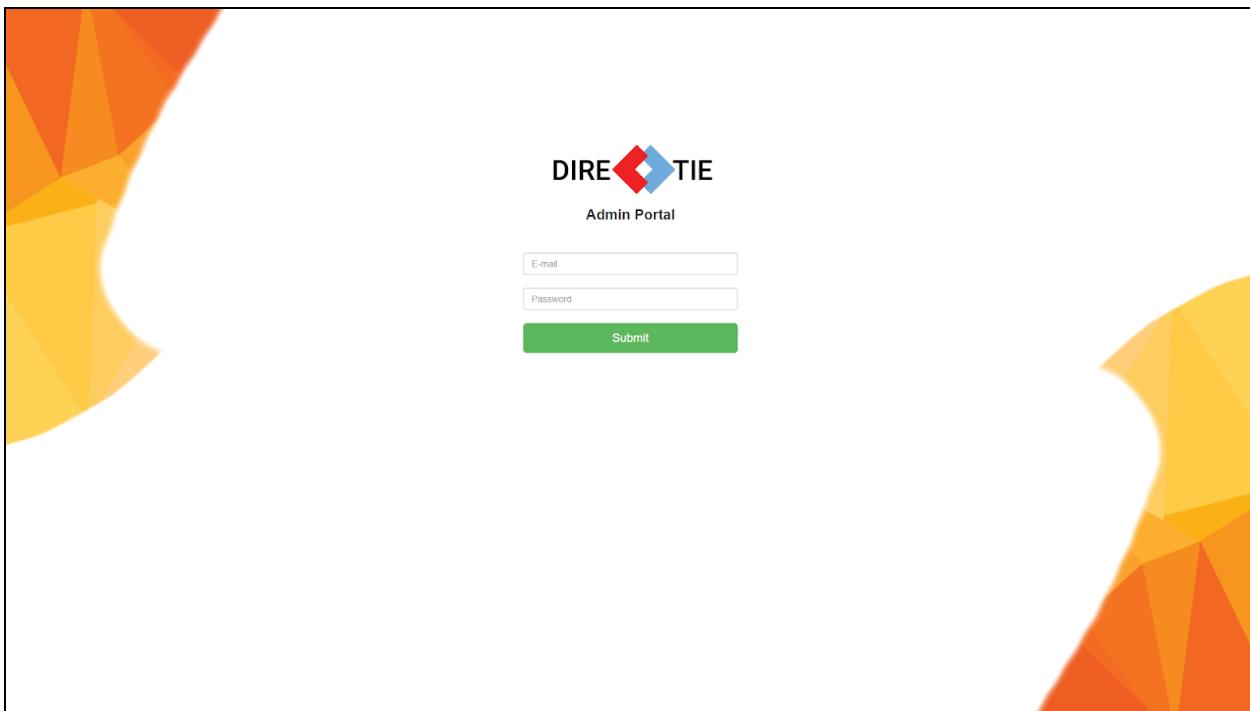


Figure 1 Login Screen

Enter your admin account's credentials and click on the "Login" button below. If the credentials you have entered are correct, you will be logged in successfully into the admin portal.

Required Credentials

- Email
- Password



2.0 Dashboard

2.1 View Dashboard

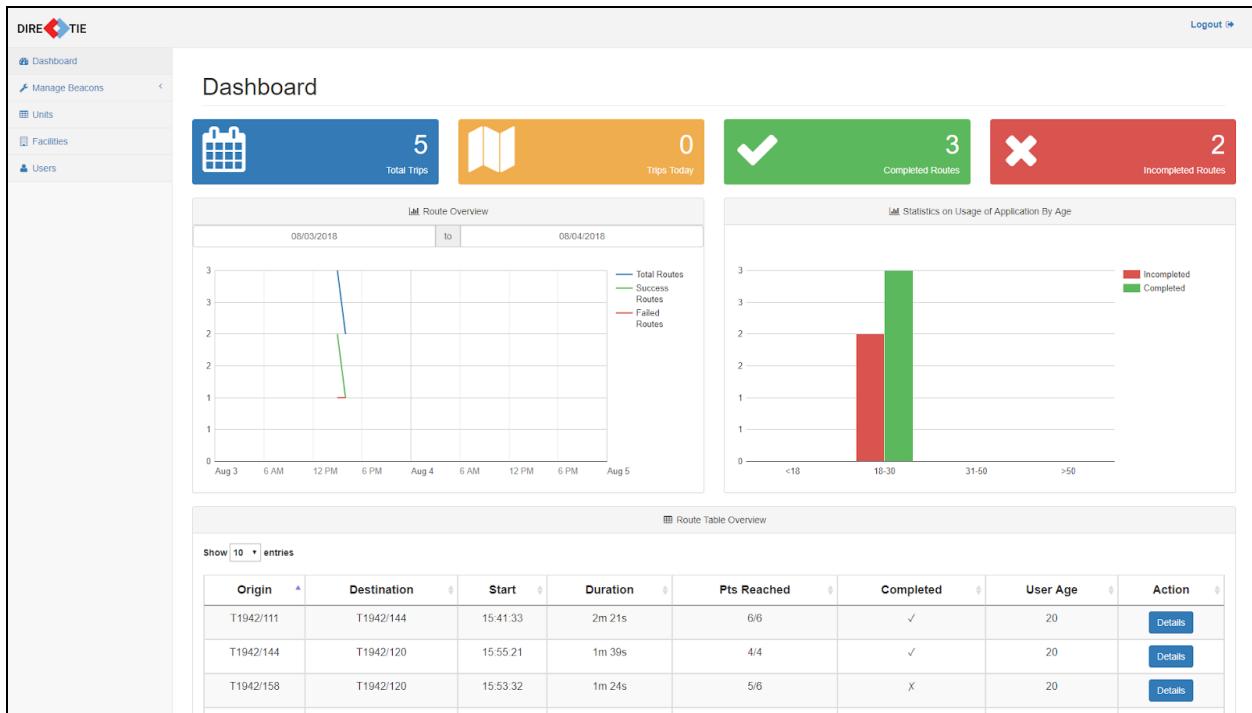


Figure 2 Dashboard Page

You will be brought to this page automatically after logging in. You can also reach this page by clicking on “**Dashboard**” in the navigation menu at the side when you are logged in.

On top of the page, you can see the number of routes walked, number of routes that are walked today, completed routes and failed routes

In the dashboard, you can see 2 different charts and 1 table. The date of the charts/tables can be controlled by selecting the date range under “Route Overview”.



2.2 Statistics

2.2.1 Route Overview

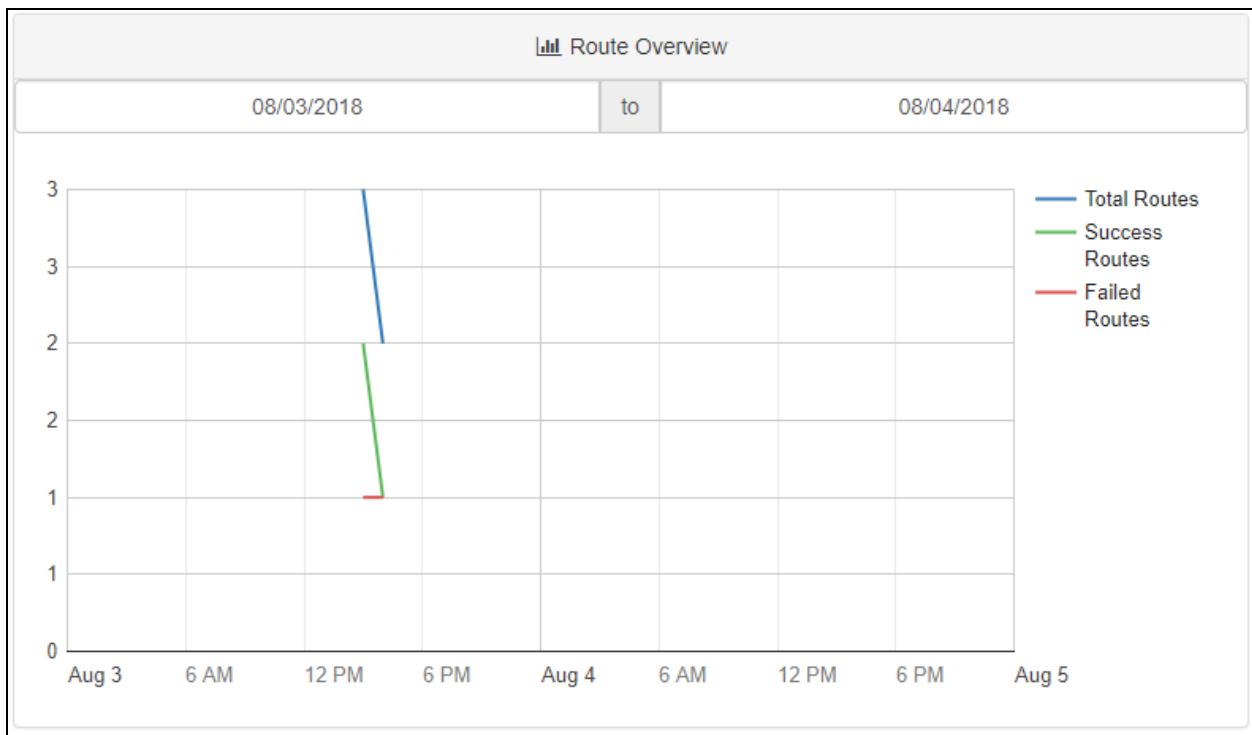


Figure 3 Route Overview Chart

The chart “Route Overview” as seen above in Figure 3, represents the number of total routes, success routes and failed routes for that range of date.



2.2.2 Usage of Application

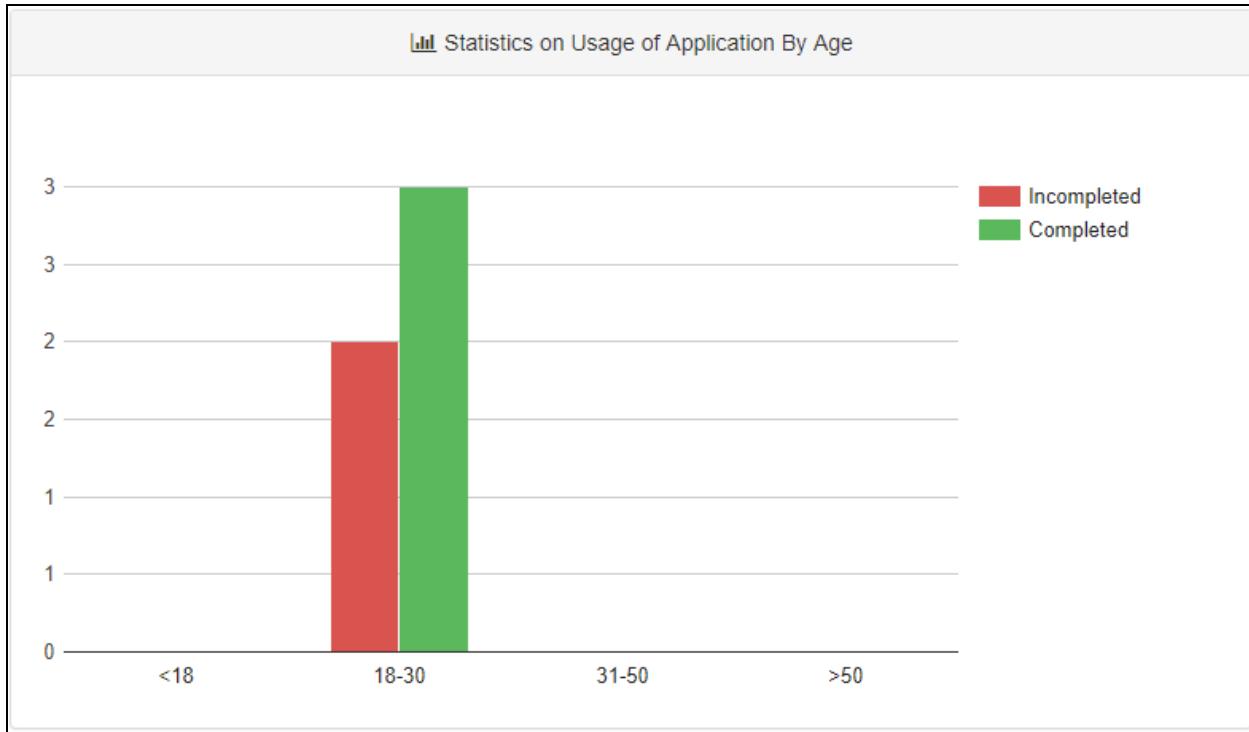


Figure 4 Application Usage by Age Chart

The second chart as seen above in Figure 4 shows the the usage of application by age groups for that range of date and if they managed to complete the route.



2.2.3 Route Details

Route Table Overview								
Show 10 entries								
Origin	Destination	Start	Duration	Pts Reached	Completed	User Age	Action	
T1942/111	T1942/144	15:41:33	2m 21s	6/6	✓	20	<button>Details</button>	
T1942/144	T1942/120	15:55:21	1m 39s	4/4	✓	20	<button>Details</button>	
T1942/158	T1942/120	15:53:32	1m 24s	5/6	X	20	<button>Details</button>	
T1942/158	T1942/113	16:09:33	3m 28s	6/7	✓	20	<button>Details</button>	
T1942/158	T1942/113	16:15:03	3m 5s	6/7	X	20	<button>Details</button>	

Previous 1 Next

Figure 5 Route Overview Table

The table as seen above in Figure 5 shows every route information that is selected by the range of date. From there you can see the details such as the Origin, Destination, Start time, Duration, No. of beacons that they have passed through, Route Completion and the User Age.

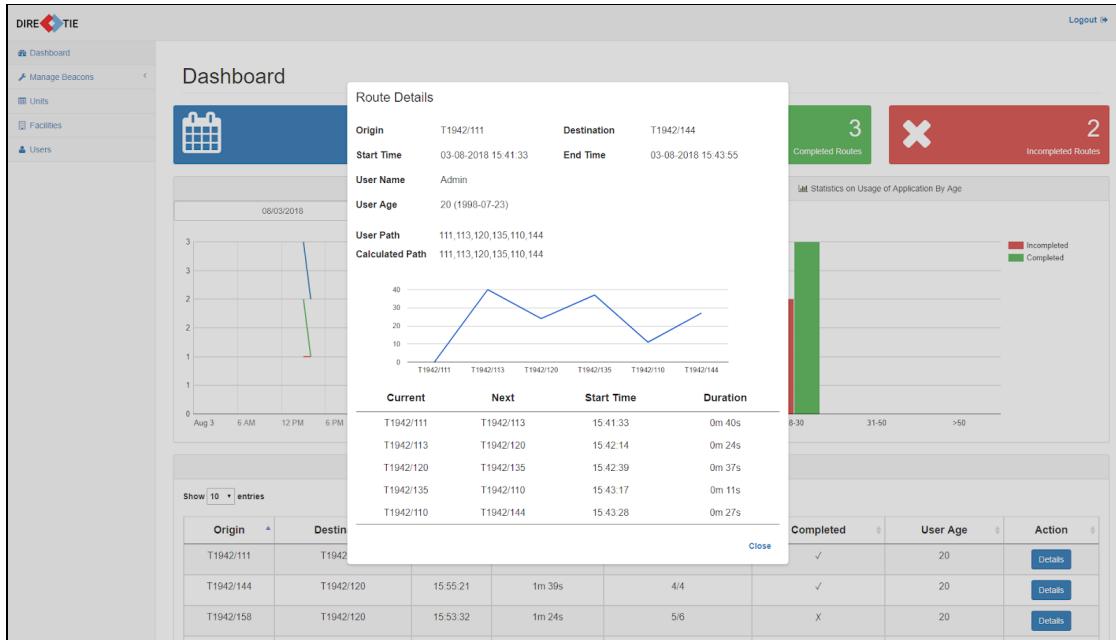


Figure 6 Route Overview Table

By clicking on the “**Details**” button under the “Action” column, you can view more information about a route as seen above in Figure 6. Details such as the time taken to travel from a beacon point to another beacon point can be seen. The graph and the table shows the time taken, and it can be compared easily. If the duration from a point to another point is not consistent, it may show that the user is taking a longer time to reach there.



3.0 Managing Beacons

3.1 View Beacons

Figure 7 Beacons Page

To reach this page where you can view all the beacons, click on “**Beacons**” under the “Manage Beacons” category in the navigation menu.

You will be able to see the following information regarding all beacons

- ID
- UUID
- Major
- Minor
- Turning Point
- Beacon status (toggle active/inactive)

3.1.1 Toggle Beacon Status

To change a beacon’s status, click on the switch under “Toggle” to toggle in to be active or inactive.



3.2 Adding a Beacon

To add a beacon, click on the “**Add**” button that is located at the top right of the table of beacons.

The screenshot shows the DIRE software interface. On the left is a sidebar with navigation links: Dashboard, Manage Beacons (selected), Beacons, Beacon Directions, Beacon Relations, Units, Facilities, and Users. The main area is titled 'Beacons' and contains a table with columns: Beacon ID, UUID, Major, Minor, Turning Point, Toggle, and Action. There are 18 entries listed. An 'Add' button is located in the top right corner of the table header. A modal dialog box is overlaid on the table, titled 'Add Beacon'. It contains fields for 'Beacon ID' (with a placeholder '11111111'), 'UUID (8-4-4-12 digits)' (with a placeholder '11111111-1111-1111-1111-111111111111'), 'Major' (with a placeholder '11111111'), 'Minor' (with a placeholder '11111111'), and 'Turning Point' (with a placeholder 'No'). At the bottom of the dialog are 'Cancel' and 'Add' buttons. The status bar at the bottom of the screen shows 'Showing 1 to 10 of 18 entries' and page navigation buttons 'Previous' (disabled), '1' (selected), '2', and 'Next'.

Figure 8 Add beacon dialogue box

Once it has been clicked, a dialogue box allowing you to enter the information necessary for a beacon will pop up as seen above in Figure 8.

You will be required to enter the following fields:

- Beacon ID
- UUID
- Major
- Minor
- Turning Point (by default, not a turning point)

Enter the details of the beacon and click on “**Add**” to save the details.

Click on “**Cancel**” to close the dialogue box without adding a new beacon.



3.3 Updating a Beacon

To update a beacon, click on the “**Update**” button respective to the beacon that you want to update which is located under the “Action” column of the table.

The screenshot shows the DIRE software interface with the 'Manage Beacons' module selected. The main area displays a table of Beacons. A modal dialog box is open over the table, specifically for Beacon ID 110. The dialog box contains fields for 'UUID' (set to 'Update for Beacon 110'), 'Major' (set to '110'), 'Minor' (set to '110'), and 'Turning Point' (set to 'Yes'). At the bottom of the dialog are three buttons: 'Cancel', 'Delete', and 'Save'. The table below the dialog lists other beacon entries, such as Beacon ID 111 with UUID '11111111111111111111111111111111' and Turning Point 'No'. The 'Action' column for each row contains a blue 'Update' button.

Figure 9 Update beacon dialogue box

Depending on which respective “Update” button you have clicked, the dialogue box that pops out will be filled with that specific beacon’s information.

You will be able to edit any of the following fields:

- Beacon ID
- UUID
- Major
- Minor
- Turning Point

Once you have finished editing, click on “**Save**” to save the details.

Click on “**Cancel**” to close the dialogue box without updating the beacon information.



3.4 Deleting a Beacon

To delete a beacon, click on the “Delete” button in the same dialogue box for updating a beacon.

The screenshot shows the 'Beacons' management page. On the left, there's a sidebar with navigation links: Dashboard, Manage Beacons (selected), Beacons, Beacon Directions, Beacon Relations, Units, Facilities, and Users. The main area has a table with columns: Beacon ID, UUID, Major, Minor, Turning Point, Toggle, and Action. One row in the table is highlighted, and a modal dialog box is overlaid on it. The dialog box has the title 'Delete Confirmation' and the message 'Are you sure you want to delete the Beacon? This cannot be undone.' It contains input fields for 'Beacon ID' (110), 'UUID (8-4)' (11111111-1111-1111-1111-111111111111), 'Major' (110), and 'Minor' (140). At the bottom of the dialog are three buttons: 'Cancel', 'Delete' (highlighted in red), and 'Save'.

Figure 10 Delete beacon confirmation box

A confirmation box will pop up as seen above in Figure 10.

Click “Delete” to delete the beacon.

Click “Cancel” to close the confirmation box without deleting the beacon.

If “Delete” was clicked, a message will be shown to show that it has been deleted successfully.



4.0 Managing Beacon Directions

4.1 View Beacon Directions

The screenshot shows a web-based application interface titled "Beacon Directions". The left sidebar contains navigation links: Dashboard, Manage Beacons (selected), Beacons, Beacon Directions (selected), Beacon Relations, Units, Facilities, and Users. The main content area is titled "Beacon Directions" and displays a table of 13 entries. The table columns are: Previous Beacon, Current Beacon, Next Beacon, Direction, Bearing, Notes, and Action. Each row contains a set of beacon IDs and their corresponding direction and bearing. The "Notes" column for the second entry contains the word "Danger". The "Action" column for each row contains a blue "Update" button. At the bottom of the table, it says "Showing 1 to 10 of 13 entries" and has navigation buttons for "Previous", "1", "2", and "Next".

Previous Beacon	Current Beacon	Next Beacon	Direction	Bearing	Notes	Action
	111	113	Straight	129		<button>Update</button>
	111	136	Straight			<button>Update</button>
110	151	146	Straight	8		<button>Update</button>
111	113	153	Straight	109	Danger	<button>Update</button>
111	144	136	Straight			<button>Update</button>
113	153	110	Straight	122		<button>Update</button>
119	120		Straight	291		<button>Update</button>
144	111	136	Straight			<button>Update</button>
144	136		Straight			<button>Update</button>
146	158	119	Straight	290		<button>Update</button>

Figure 11 Beacon Directions Page

To reach this page where you can view all the beacon directions, click on “**Beacon Directions**” under the “Manage Beacons” category in the navigation menu.

You will be able to see the following information regarding all beacon directions

- Previous Beacon ID
- Current Beacon ID
- Next Beacon ID
- Direction
- Bearing
- Notes



4.2 Adding a Beacon Direction

To add a beacon direction, click on the “Add” button that is located at the top right of the table of beacon directions.

The screenshot shows the DIRECtie software interface. On the left is a sidebar with navigation links: Dashboard, Manage Beacons, Beacons, Beacon Directions (which is selected), Beacon Relations, Units, Facilities, and Users. The main area is titled "Beacon Directions". It features a table with columns: Previous Beacon, Current Beacon, Next Beacon, Direction, Bearing, Notes, and Action. Below the table is a search bar and a "Show 10 entries" dropdown. A modal dialog box is overlaid on the table, titled "Add Beacon Direction". It contains fields for "Previous" (dropdown with options "None", "110", "111", "111", "113", "119", "144", "144", "146"), "Current" (dropdown with options "None", "110", "111", "111", "113", "119", "144", "146", "150"), and "Next" (dropdown with options "None", "119", "Straight"). There are also dropdowns for "Direction" (with options like "Left", "Right", "Up", "Down") and "Bearing" (input field). A "Notes (optional)" text area is present. At the bottom of the dialog are "Cancel" and "Add" buttons. The main table below shows 10 entries of beacon directions, each with an "Update" button. The footer indicates "Showing 1 to 10 of 13 entries" and page navigation buttons for "Previous", "1", "2", and "Next".

Figure 12 Add beacon direction dialogue box

Once it has been clicked, a dialogue box allowing you to enter the information necessary for a beacon direction will pop up as seen above in Figure 12.

You will be required to enter the following fields:

- Previous Beacon ID
- Current Beacon ID
- Next Beacon ID
- Direction
- Bearing
- Notes (optional)

Enter the details of the beacon direction and click on “Add” to save the details.

Click on “Cancel” to close the dialogue box without adding a new beacon direction.



4.3 Updating a Beacon Direction

To update a beacon direction, click on the “**Update**” button respective to the beacon direction that you want to update which is located under the “Action” column of the table.

The screenshot shows the DIRE software interface. On the left is a sidebar with navigation links: Dashboard, Manage Beacons, Beacons, Beacon Directions, Beacon Relations, Units, Facilities, and Users. The main area is titled "Beacon Directions". A table lists beacon IDs (Previous Beacon, Current Beacon, Next Beacon) and their directions (Direction, Bearing, Notes). An "Add" button is in the top right of the table area. Below the table is a search bar. A modal dialog box is centered over the table, titled "Update Beacon Direction". It contains fields for "Previous", "Current", and "Next" beacon IDs, dropdown menus for "Direction" (Straight) and "Bearing" (109), and a "Notes (optional)" text area containing "Danger". At the bottom of the dialog are "Cancel", "Delete", and "Save" buttons. The table below shows entries for beacon IDs 110, 111, 113, 119, 144, and 146. The "Direction" column for these rows shows values like "t", "8", "109", "122", "291", and "290". The "Notes" column for beacon 119 contains "Danger". The "Action" column for each row has a blue "Update" button. At the bottom of the page, there are links for "Previous" (page 1), "2", and "Next".

Figure 13 Update beacon direction dialogue box

Depending on which respective “Update” button you have clicked, the dialogue box that pops out will be filled with that specific beacon direction’s information.

You will be able to edit any of the following fields:

- Previous Beacon ID
- Current Beacon ID
- Next Beacon ID
- Direction
- Bearing
- Notes

Once you have finished editing, click on “**Save**” to save the details.

Click on “**Cancel**” to close the dialogue box without updating the beacon direction information.



4.4 Deleting a Beacon Direction

To delete a beacon direction, click on the “Delete” button in the same dialogue box for updating a beacon direction.

Beacon ID	UUID	Major	Minor	Turning Point	Toggle	Action
110	11111111	Update for Beacon 110				<input type="checkbox"/> Update
111	11111111	Beacon ID 110				<input type="checkbox"/> Update
113	11111111	UUID (8-4) 11111111				<input type="checkbox"/> Update
119	11111111	Delete Confirmation Are you sure you want to delete the Beacon? This cannot be undone.				<input type="checkbox"/> Delete
120	11111111	Major 110				<input type="checkbox"/> Update
132	11111111	Turning Point <input checked="" type="checkbox"/>				<input type="checkbox"/> Update
135	11111111					<input type="checkbox"/> Update
136	11111111					<input type="checkbox"/> Update
140	11111111-1111-1111-1111-111111111111	140	140	No	<input type="checkbox"/> Update	
144	11111111-1111-1111-1111-111111111111	144	144	No	<input type="checkbox"/> Update	

Figure 14 Delete beacon direction confirmation box

A confirmation box will pop up as seen above in Figure 14.

Click “Delete” to delete the beacon direction.

Click “Cancel” to close the confirmation box without deleting the beacon direction.

If “Delete” was clicked, a message will be shown to show that it has been deleted successfully.



5.0 Managing Beacon Relations

5.1 View Beacon Relations

The screenshot shows a web application interface titled "Beacon Relations". The left sidebar contains navigation links: Dashboard, Manage Beacons (selected), Beacons, Beacon Directions, Beacon Relations (selected), Units, Facilities, and Users. The main content area has a title "Beacon Relations" and a table with the following data:

Beacon ID	Related Beacons	Action
110	110, 153, 151	<button>Update</button>
111	111, 113, 111	<button>Update</button>
113	111, 113, 153	<button>Update</button>
119	119, 120, 158	<button>Update</button>
120	119, 120	<button>Update</button>
136	136	<button>Update</button>
146	146, 158, 151	<button>Update</button>
151	110, 146, 151	<button>Update</button>
153	110, 113, 153	<button>Update</button>
158	119, 146, 158	<button>Update</button>

Showing 1 to 10 of 10 entries

Previous 1 Next

Figure 15 Beacon Relations Page

To reach this page where you can view all the beacon relations, click on “**Beacon Relations**” under the “Manage Beacons” category in the navigation menu.

You will be able to see the following information regarding all beacon relations

- BeaconID
- Related Beacons



5.2 Adding a Beacon Relation

To add a beacon relation, click on the “Add” button that is located at the top right of the table of beacon relations.

The screenshot shows a web-based application interface for managing beacon relations. On the left is a sidebar with navigation links: Dashboard, Manage Beacons, Beacons, Beacon Directions, Beacon Relations, Units, Facilities, and Users. The main area is titled "Beacon Relations". It features a table with columns: "Beacon ID", "Related Beacons", and "Action". The table contains 10 entries, each with a "Update" button. A modal dialog box is overlaid on the table, titled "Add Beacon Relation". It has two input fields: "Beacon ID" containing "132" and "Related Beacon" containing an empty text input field. At the bottom of the dialog are "Cancel" and "Add" buttons. The table below the dialog shows the following data:

Beacon ID	Related Beacons	Action
110	110, 153, 151	Update
111	111, 113, 111	Update
113		Update
119		Update
120		Update
136		Update
146		Update
151	110, 140, 101	Update
153	110, 113, 153	Update
158	119, 146, 158	Update

Figure 16 Add beacon relation dialogue box

Once it has been clicked, a dialogue box allowing you to enter the information necessary for a beacon relation will pop up as seen above in Figure 16.

You will be required to enter the following fields:

- Beacon ID
- Related Beacons

For the field “Related Beacons”, enter the ID of the beacon related to the beacon you want to add to.

For example, if a beacon with ID 1 has a related beacon with ID 2, enter “2” in the related beacon field. In the event that you want to add more related beacons to it, go ahead and enter another beacon ID in the same field.

Enter the details of the beacon relation and click on “Add” to save the details.

Click on “Cancel” to close the dialogue box without adding a new beacon relation.



5.3 Updating a Beacon Relation

To update a beacon relation, click on the “**Update**” button respective to the beacon relation that you want to update which is located under the “Action” column of the table.

The screenshot shows the DIRE web application interface. On the left is a sidebar with navigation links: Dashboard, Manage Beacons (selected), Beacons, Beacon Directions, Beacon Relations, Units, Facilities, and Users. The main content area is titled "Beacon Relations". It features a table with columns: "Beacon ID" (sorted ascending), "Related Beacons", and "Action" (with "Update" buttons). A modal dialog box is overlaid on the table, titled "Update for Beacon Relation". It contains fields for "Beacon ID" (set to 110) and "Related Beacon" (a list box containing 110, 151, 153, with an "x" icon next to each entry). At the bottom of the dialog are "Cancel", "Delete", and "Save" buttons. The table below the dialog shows rows for Beacon IDs 110 through 158, with their corresponding related beacon lists. At the bottom of the page are pagination controls: "Showing 1 to 10 of 10 entries", "Previous", a page number box set to 1, and "Next".

Figure 17 Update beacon relation dialogue box

Depending on which respective “Update” button you have clicked, the dialogue box that pops out will be filled with that specific beacon relation’s information.

You will be able to edit any of the following fields:

- Beacon ID
- Related Beacons

To remove a related beacon from this relation, click on the “x” beside the tag of the related beacon ID.

Once you have finished editing, click on “**Save**” to save the details.

Click on “**Cancel**” to close the dialogue box without updating the beacon relation information.



5.4 Deleting a Beacon Relation

To delete a beacon relation, click on the “**Delete**” button in the same dialogue box for updating a beacon relation.

The screenshot shows the DIRE web application interface. On the left is a sidebar with navigation links: Dashboard, Manage Beacons (selected), Beacons, Beacon Directions, Beacon Relations, Units, Facilities, and Users. The main content area is titled "Beacon Relations". It features a table with columns: "Beacon ID" (sorted by ascending value), "Related Beacons", and "Action" (containing "Update" buttons). A modal dialog box is overlaid on the table, centered over the row for Beacon ID 110. The dialog has a title "Update Beacon Relation", a sub-section "Delete Confirmation" with the message "Are you sure you want to delete the Beacon Relation? This cannot be undone.", and three buttons: "Cancel", "Delete" (highlighted in red), and "Save". The table below the dialog shows other rows with Beacon IDs 111, 113, 119, 120, 136, 146, 151, 153, and 158, each with their respective related beacon lists and "Update" buttons. At the bottom of the table, it says "Showing 1 to 10 of 10 entries".

Figure 18 Delete beacon relation confirmation box

A confirmation box will pop up as seen above in Figure 18.

Click “**Delete**” to delete the beacon relation.

Click “**Cancel**” to close the confirmation box without deleting the beacon relation.

If “Delete” was clicked, a message will be shown to show that it has been deleted successfully.



6.0 Managing Units

6.1 View Units

Unit Number	Location	Action
T22616	Block 22 Level 6	Edit
T22615	Block 22 Level 6	Edit
T22614	Block 22 Level 6	Edit
T22613	Block 22 Level 6	Edit
T22612	Block 22 Level 6	Edit
T22611	Block 22 Level 6	Edit
T22610	Block 22 Level 6	Edit
T2269	Block 22 Level 6	Edit

Figure 19 Units Page

To reach this page where you can view all the units, click on “**Units**” in the navigation menu.

You will be able to see the following information regarding all units

- Unit Image
- Unit No.
- Block
- Level



6.2 Adding a Unit

To add a unit, click on the “Add” button that is located at the top right of the page.

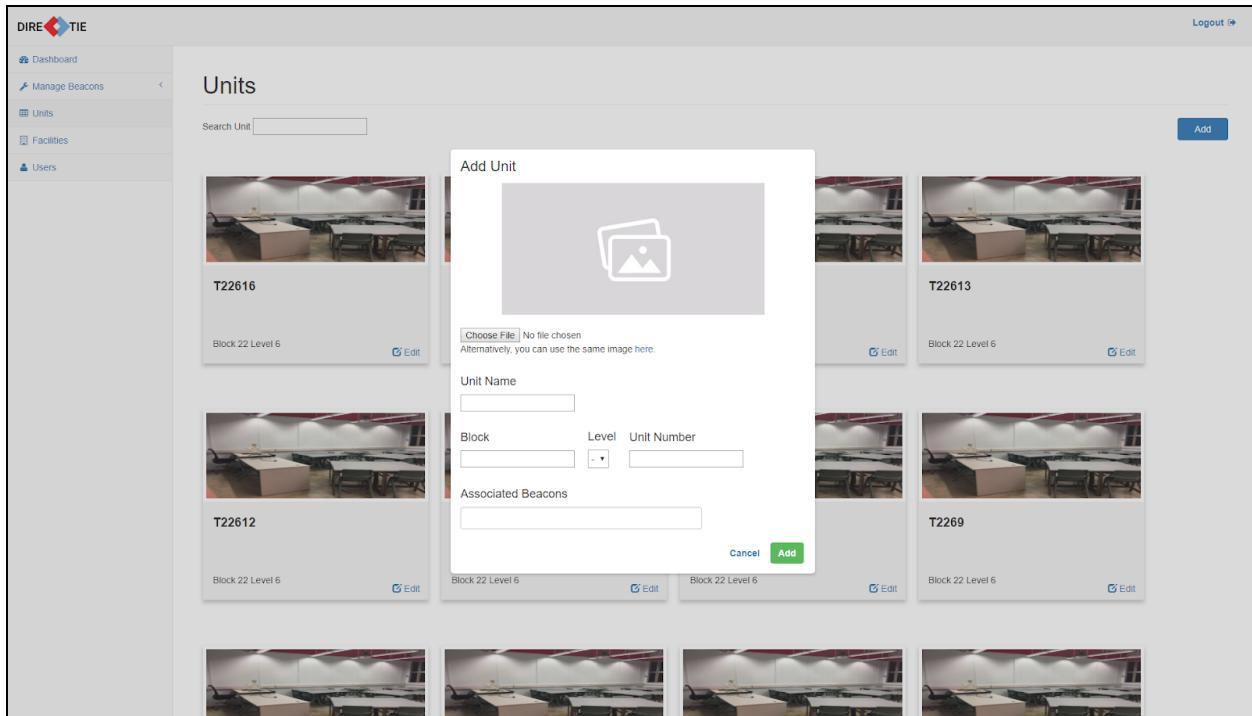


Figure 20 Add unit dialogue box

Once it has been clicked, a dialogue box allowing you to enter the information necessary for a unit will pop up as seen above in Figure 20.

You will be required to enter the following fields:

- Image
- Unit Name
- Block
- Level
- Unit No.
- Associated Beacons within this unit

For the image required for the unit, click on “Choose File” to select an image from your computer.

Enter the details of the unit and click on “Add” to save the details.

Click on “Cancel” to close the dialogue box without adding a new unit.



6.3 Updating a Unit

To update a unit, click on the “**Update**” button respective to the unit card that you want to update.

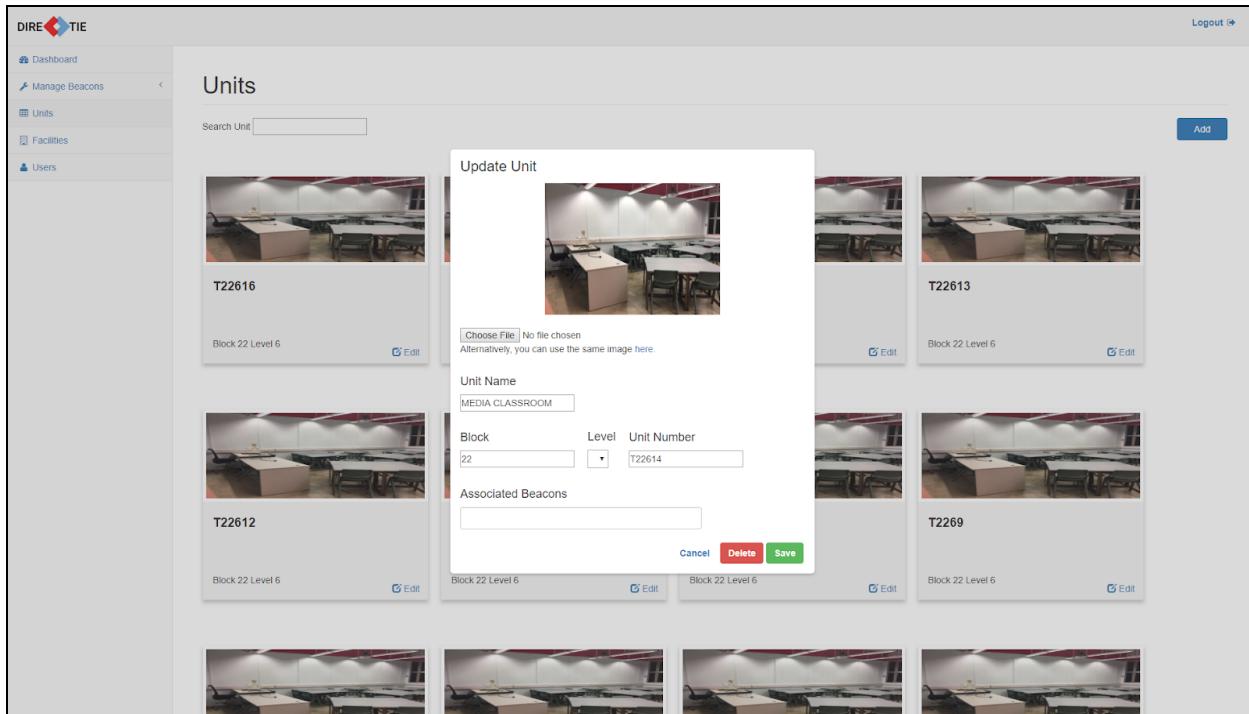


Figure 21 Update unit dialogue box

Depending on which respective “Update” button you have clicked, the dialogue box that pops out will be filled with that specific unit’s information.

You will be able to edit any of the following fields:

- Image
- Unit Name
- Block
- Level
- Unit No.
- Associated Beacons within this unit

Once you have finished editing, click on “**Save**” to save the details.

Click on “**Cancel**” to close the dialogue box without updating the unit information.



6.4 Deleting a Unit

To delete a unit, click on the “Delete” button in the same dialogue box for updating a unit.

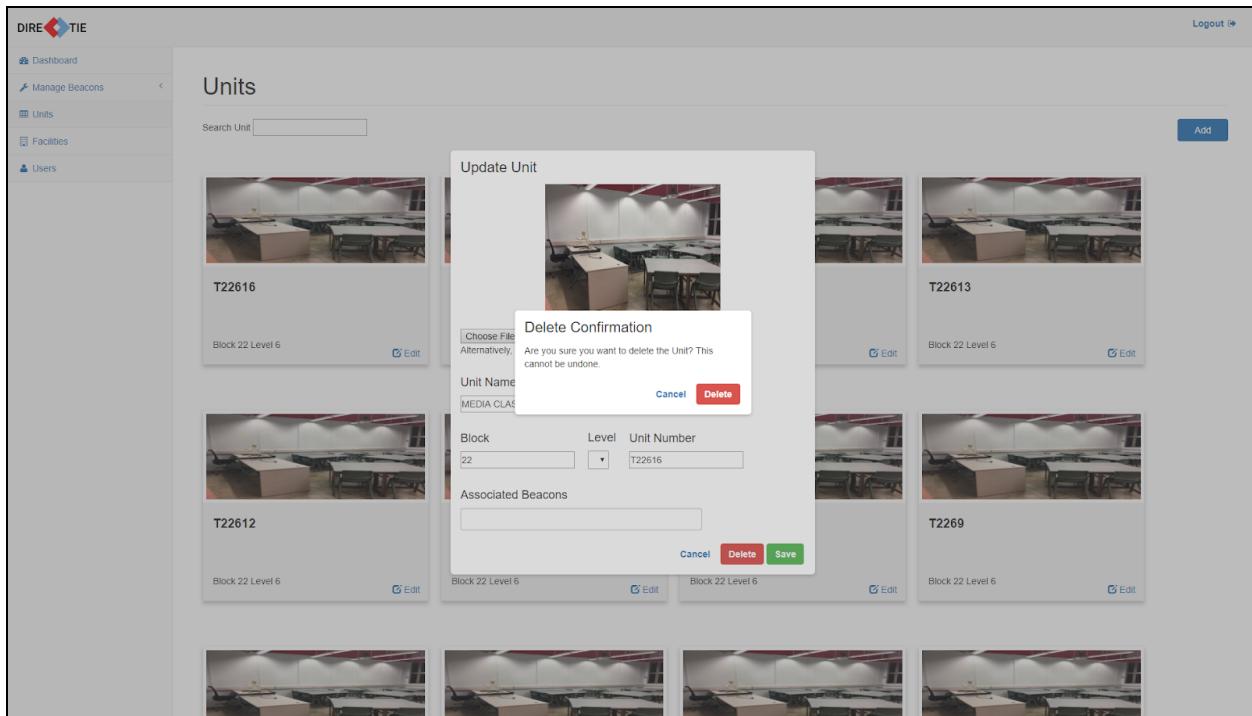


Figure 22 Delete unit confirmation box

A confirmation box will pop up as seen above in Figure 22.

Click “Delete” to delete the unit.

Click “Cancel” to close the confirmation box without deleting the unit.

If “Delete” was clicked, a message will be shown to show that it has been deleted successfully.



7.0 Managing Facilities

7.1 View Facilities

The screenshot shows the 'Facilities' page within the DIRECtie software. On the left is a vertical navigation menu with options: Dashboard, Manage Beacons, Units, Facilities (which is highlighted in blue), and Users. At the top right are 'Logout' and 'Add' buttons. The main area is titled 'Facilities' and displays nine facility cards arranged in three rows of three. Each card includes a thumbnail image, the facility name, and an 'Edit' button.

Facility Name	Image Description
WIRELESS INNOVATION LAB	Thumbnail showing a room with several red chairs and small tables.
VISUAL EFFECTS STUDIO	Thumbnail showing a green screen setup with a chair and some equipment.
SOCIAL MEDIA LISTENING CENTRE	Thumbnail showing a room with several round tables and chairs.
RECORDING STUDIO (F)	Thumbnail showing a room with a large sofa and some equipment.
RECORDING STUDIO (A,B,C)	Thumbnail showing a room with a drum set and other musical equipment.
MUSIC TECHNOLOGY CENTRE	Thumbnail showing a room with several desks and computer monitors.
MOTION CAPTURE STUDIO	Thumbnail showing a room with several computer workstations.
M.A.D. STUDIOS	Thumbnail showing a room with several desks and computer monitors.
GAME DEVELOPMENT CENTRE	Thumbnail showing a room with several desks and computer monitors.
CYBER WARGAME CENTRE	Thumbnail showing a room with several desks and computer monitors.
MEDIA CLASSROOM	Thumbnail showing a room with several desks and computer monitors.

Figure 23 Facilities Page

To reach this page where you can view all the facilities, click on “**Facilities**” in the navigation menu.

You will be able to see the following information regarding all facilities

- Facility Image
- Facility Name



7.2 Adding a Facility

To add a facility, click on the “**Add**” button that is located at the top right of the page.

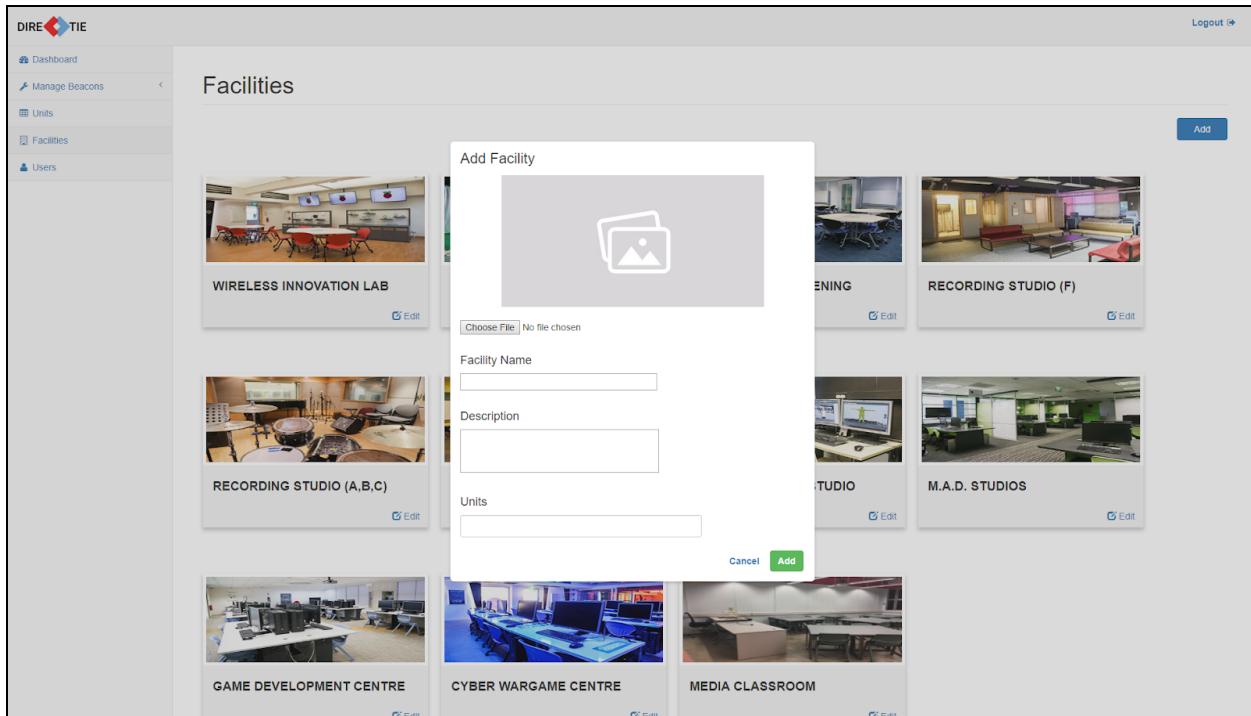


Figure 24 Add facility dialogue box

Once it has been clicked, a dialogue box allowing you to enter the information necessary for a facility will pop up as seen above in Figure 24.

You will be required to enter the following fields:

- Facility Image
- Facility Name
- Description
- Units associated with this facility (if available)

For the image required for the facility, click on “**Choose File**” to select a suitable image from your computer.

Enter the details of the facility and click on “**Add**” to save the details.

Click on “**Cancel**” to close the dialogue box without adding a new facility.



7.3 Updating a Facility

To update a facility, click on the “**Update**” button respective to the facility card that you want to update.

The screenshot shows the DIRECCTIE web application's facilities management section. On the left is a sidebar with links: Dashboard, Manage Beacons, Units, Facilities (which is selected and highlighted in blue), and Users. The main area is titled "Facilities" and displays several facility cards. One card for "WIRELESS INNOVATION LAB" is selected, and a modal dialog box titled "Update Facility" is overlaid on it. The dialog box contains the following fields:

- Facility Name: WIRELESS INNOVATION LAB
- Description: A dropdown menu with the placeholder text: "The Wireless Innovation Lab is designed for the delivery of modules on Internet of Things (IoT) and wireless networking. A showcase..."
- Units: A dropdown menu with the placeholder text: "T2031"

At the bottom of the dialog box are three buttons: "Cancel", "Delete", and "Save".

Figure 25 Update facility dialogue box

Depending on which respective “Update” button you have clicked, the dialogue box that pops out will be filled with that specific facility’s information.

You will be able to edit any of the following fields:

- Facility Image
- Facility Name
- Description
- Units associated with this facility (if available)

Once you have finished editing, click on “**Save**” to save the details.

Click on “**Cancel**” to close the dialogue box without updating the facility information.



7.4 Deleting a Facility

To delete a facility, click on the “**Delete**” button in the same dialogue box for updating a facility.

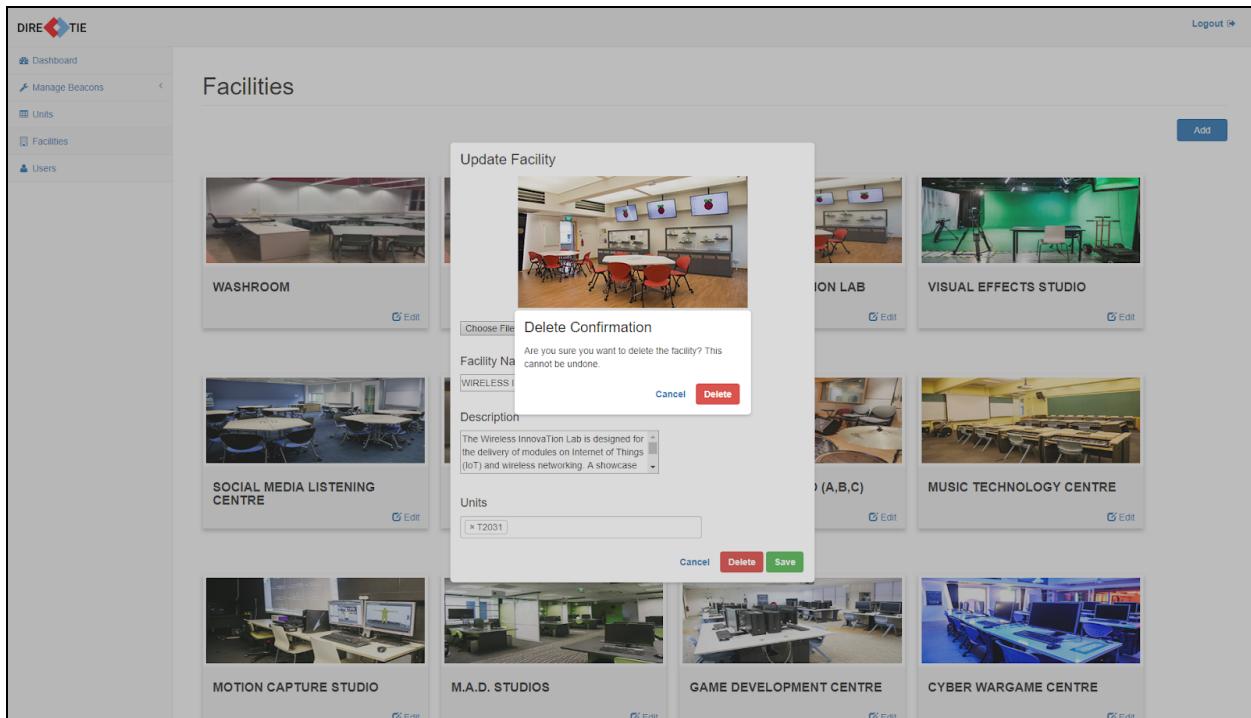


Figure 26 Delete facility confirmation box

A confirmation box will pop up as seen above in Figure 26.

Click “**Delete**” to delete the facility.

Click “**Cancel**” to close the confirmation box without deleting the facility.

If “Delete” was clicked, a message will be shown to show that it has been deleted successfully.



8.0 Managing Users

8.1 View Users

Name	Email	Gender	Date of Birth	Login Type	Role	Action
Admin	test@gmail.com	Male	2018-07-23	email	Admin	<button>Update</button>
afg	asasd@af.com	Male	07/11/2018	email	User	<button>Update</button>
weigeg	asdaf@asfg.com	Male	07/25/2018	email	User	<button>Update</button>
Joshua Chia	joshuachia99@yahoo.com.sg	Male	2018-07-23	facebook	User	<button>Update</button>
afs	teasd@t@gmail.com	Male	07/11/2018	email	User	<button>Update</button>
Test2	test2@gmail.com	Female	2018-07-27	email	User	<button>Update</button>
joshua chia	risris14@gmail.com			google	User	<button>Update</button>
aggeegw	safasf@asd.com	Male	07/17/2018	email	User	<button>Update</button>
	admin@test.com	Male	2018-05-19			<button>Update</button>
hy ZAI	xdarknival@gmail.com			google	User	<button>Update</button>

Figure 27 Users Page

To reach this page where you can view all the users, click on “**Users**” in the navigation menu.

You will be able to see the following information regarding all users

- Name
- Email
- Gender
- Date of Birth
- Login Type
- Role



8.2 Adding a User

To add a user, click on the “**Add**” button that is located at the top right of the page.

The screenshot shows the DIRE application interface. On the left, there is a sidebar with navigation links: Dashboard, Manage Beacons, Units, Facilities, and Users. The 'Users' link is selected. The main content area is titled 'Users' and displays a table of existing users with columns for Name, Email, Birth, Login Type, Role, and Action (with 'Update' buttons). A modal dialog box titled 'Create User' is overlaid on the page. It contains fields for Email, Password, Name, Date of Birth, Gender (Male dropdown), and Role (User dropdown). There are 'Cancel' and 'Save' buttons at the bottom of the dialog. The status bar at the bottom indicates 'Showing 1 to 10 of 10 entries' and has 'Previous' and 'Next' buttons.

Figure 28 Add user dialogue box

Once it has been clicked, a dialogue box allowing you to enter the information necessary for a user will pop up as seen above in Figure 28.

You will be required to enter the following fields:

- Email
- Password
- Name
- Date of Birth
- Gender
- Role

Enter the details of the user and click on “**Add**” to save the details.

Click on “**Cancel**” to close the dialogue box without adding a new user.



8.3 Updating a User

To update a user's role, click on the “**Update**” button respective to the user that you want to update.

The screenshot shows the 'Users' page of the DIRE application. On the left is a sidebar with links: Dashboard, Manage Beacons, Units, Facilities, and Users. The main area has a table with columns: Name, Email, Gender, Date of Birth, Login Type, Role, and Action. There are 10 entries listed. A modal dialog box titled 'Change Role' is overlaid on the table, centered over the row for 'Test2'. The dialog box contains a dropdown menu set to 'Admin', a 'Cancel' button, and a green 'Save' button. The table rows have the following data:

Name	Email	Gender	Date of Birth	Login Type	Role	Action	
Admin	test@gmail.com	Male	2018-07-23	email	Admin	Update	
afg	asasd@af.com	Male	07/11/2018	email	User	Update	
wegeg	asdaf@astg.com	Male	07/25/2018	email	User	Update	
Joshua Chia	joshuachia99@yahoo.com	Change Role		2018-07-23	facebook	User	Update
afs	teasd@t@gmail.com	Admin	07/11/2018	email	User	Update	
Test2	test2@gmail.com		2018-07-27	email	User	Update	
joshua chia	rnsns14@gmail.com			google	User	Update	
aggeegw	safasl@asd.com	Male	07/17/2018	email	User	Update	
	admin@test.com	Male	2018-05-19			Update	
ly ZAI	xdarkrival@gmail.com			google	User	Update	

Figure 29 Update user dialogue box

Depending on which respective “**Update**” button you have clicked, the dialogue box that pops out will be filled with that specific user’s current role.

You will only be able to edit the following field:

- Role

Once you have finished editing, click on “**Save**” to save the details.

Click on “**Cancel**” to close the dialogue box without updating the user role.