





Login Page:

Resource Management





Login

Username

Password

☒ Remember me

[Forgot password?](#)

In the login page, user need to login before he can go to other routers and send http request. If user does not have an account, he/she has to sign up first.

Resource Page:

Resource Management

Project 1

Cost Manager

Keyword

Resource Catalog

| RESOURCE NAME | RESOURCE CODE |
|--|---------------|
| ▸ Procurement and Contracting Requirements | 000000 |
| ▸ General Requirements | 010000 |
| ▸ Existing Conditions | 020000 |
| ▸ Concrete | 030000 |
| ▸ Masonry | 040000 |
| ▸ Metals | 050000 |
| ▸ Wood, Plastics, and Composites | 060000 |
| ▸ Thermal and Moisture Protection | 070000 |
| ▸ Openings | 080000 |
| ▸ Finishes | 090000 |
| ▸ Specialties | 100000 |
| ▸ Equipment | 110000 |
| ▸ Furnishings | 120000 |
| ▸ Special Construction | 130000 |
| ▸ Conveying Equipment | 140000 |

After user has already login, angular will redirect to the Resource page.
The table should be scrollable both vertical and horizontal if it has more than 4 columns and a lot of data records. But the column header should be sticky when user scroll vertically.

User can add a new row, add a new column and import the data from csv file.
User can use the filter input textbox to filter the data in the table.

Resource Management

Resource

Project

Formula

Change Request

Budget

Prime Supplier

Change Control

Contract

Approved Change

Summary

Project 1

| RESOURCE NAME |
|--|
| ▶ Procurement and Contracting Requirements |
| ▼ General Requirements |
| Summary |
| ▶ Summary of Work |
| ▶ Multiple Contract Summary |
| ▶ Work Restrictions |
| ▶ Project Utility Sources |
| Price and Payment Procedures |
| ▶ Allowances |
| ▶ Unit Prices |
| Alternates |
| ▶ Value Analysis |
| ▶ Substitution Procedures |
| ▶ Contract Modification Procedures |
| ▶ Payment Procedures |

The side navigation bar can navigate to different routers. In this team project, you have only three pages should be included in the side navigation bar which are Resource, Project and Formula.

Project Page:

Resource Management

Project 1

Cost Manager

Project 1

Resource Catalog

| PROJECT NAME | PROJECT CODE |
|---|--------------|
| ▸ <input type="checkbox"/> Procurement and Contracting Requi... | 000000 |
| ▸ <input type="checkbox"/> General Requirements | 010000 |
| ▸ <input type="checkbox"/> Existing Conditions | 020000 |
| ▸ <input type="checkbox"/> Concrete | 030000 |
| ▸ <input type="checkbox"/> Masonry | 040000 |
| ▸ <input type="checkbox"/> Metals | 050000 |
| ▸ <input type="checkbox"/> Wood, Plastics, and Composites | 060000 |
| ▸ <input type="checkbox"/> Thermal and Moisture Protection | 070000 |
| ▸ <input type="checkbox"/> Openings | 080000 |
| ▸ <input type="checkbox"/> Finishes | 090000 |
| ▸ <input type="checkbox"/> Specialties | 100000 |
| ▸ <input type="checkbox"/> Equipment | 110000 |
| ▸ <input type="checkbox"/> Furnishings | 120000 |
| ▸ <input type="checkbox"/> Special Construction | 130000 |
| ▸ <input type="checkbox"/> Conveying Equipment | 140000 |

Project

| PROJECT NAME | PROJECT CODE |
|--------------|--------------|
|--------------|--------------|

There are two tables in the Project Page. The data showing in the left table is coming from the resource page.

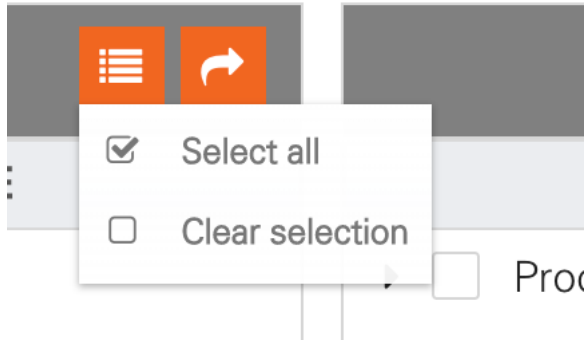
Resource Catalog

| PROJECT NAME | PROJECT CODE |
|--|--------------|
| ▸ <input checked="" type="checkbox"/> Procurement and Contracting Requi... | 000000 |
| ▸ <input checked="" type="checkbox"/> General Requirements | 010000 |
| ▸ <input checked="" type="checkbox"/> Existing Conditions | 020000 |
| ▸ <input checked="" type="checkbox"/> Concrete | 030000 |
| ▸ <input type="checkbox"/> Masonry | 040000 |
| ▸ <input type="checkbox"/> Metals | 050000 |
| ▸ <input type="checkbox"/> Wood, Plastics, and Composites | 060000 |
| ▸ <input type="checkbox"/> Thermal and Moisture Protection | 070000 |
| ▸ <input type="checkbox"/> Openings | 080000 |
| ▸ <input type="checkbox"/> Finishes | 090000 |
| ▸ <input type="checkbox"/> Specialties | 100000 |
| ▸ <input type="checkbox"/> Equipment | 110000 |
| ▸ <input type="checkbox"/> Furnishings | 120000 |
| ▸ <input type="checkbox"/> Special Construction | 130000 |


Project

| PROJECT NAME | PROJECT CODE |
|---|--------------|
| ▸ <input type="checkbox"/> Procurement and Contracting Requi... | 000000 |
| ▸ <input type="checkbox"/> General Requirements | 010000 |
| ▸ <input type="checkbox"/> Existing Conditions | 020000 |
| ▸ <input type="checkbox"/> Concrete | 030000 |

User can select the record and click the export button to export the selected record to the right table.



User can also use the select all and clear selection button to select all records and clear all selected records.

| Project | |  |
|--|--------------|---|
| PROJECT NAME | PROJECT CODE | |
| ▶ <input checked="" type="checkbox"/> General Requirements | 010000 | |
| ▶ <input checked="" type="checkbox"/> Concrete | 030000 | |
| ▶ <input type="checkbox"/> Procurement and Contracting Requir... | 000000 | |
| ▶ <input type="checkbox"/> Existing Conditions | 020000 | |

the trash icon on the right table will remove the selected records from the right table.

Project 2



Cost Manager



DE

Project

| PROJECT NAME | P |
|--|--------|
| <input checked="" type="checkbox"/> General Requirements | 010000 |
| <input checked="" type="checkbox"/> | 000000 |

Project 2

Project 1

Project 2

Project 3

Project 4

User can select different project in the dropdown button. And the project name in the header will change according to the project user selects.

☒ General Requirements

010000

☒ Existing Conditions

020000

☒ Concrete

030000

☐ Masonry

040000

☐ Metals

050000

☐ Wood, Plastics, and Composites

060000

☐ Thermal and Moisture Protection

070000

☐ Openings

080000

☐ Finishes

090000

☐ Specialties

100000

☐ Equipment

110000

☐ Furnishings

120000

☐ Special Construction

130000

☐ Conveying Equipment

140000

☒ Concrete

030000

☐ Procurement and Contracting Requir...

000000

☐ Existing Conditions

020000

Edit Resource

☒ Submit

User will go back to Resource Page if he/she clicks the edit resource button.
User will send the data in the right table to Formula Page after clicking the submit button.

Formula Page:

Resource Management

>

Project 2

Cost Manager

?

Project 2

| QUANTITY SURVEY | | | |
|---|-----------|----------|--------------------------------------|
| NAME | COST_CODE | EDITABLE | ITEM_ID |
| ▼ Procurement and Contracting Requirem... | 000000 | false | 090b593c-8647-25be-3998-753b0daae594 |
| ▼ Project | 000100 | false | 27c552e7-9df4-3a3d-6b46-b98eede40f4b |
| Project Title Page | 000101 | false | c2d844c3-a22c-82c6-3c90-0d26074e9da5 |
| Project Directory | 000103 | false | 22eacd52-f937-dd96-6825-6cdc0490d150 |
| Certifications Page | 000105 | false | 30e4dd3c-39a0-8916-7416-6bf8d84979b8 |
| Seals Page | 000107 | false | e91098c6-2730-9c58-fda8-a69abf464381 |
| Table of Contents | 000110 | false | 948e14a5-5c24-e2ed-9007-e81fb6b5a66d |
| List of Drawing Sheets | 000115 | false | 92cc80b7-a44c-d342-8a93-78e415ec139f |
| List of Schedules | 000120 | false | 4b56bcd9-81a4-4081-a860-daf9c092e6a3 |

[Edit Quantity Survey Template](#)

✓ Submit

There are two columns in table: Name and COST_CODE. The data is from the right table on the Project Page.

| QUANTITY SURVEY | | |
|----------------------------|-----------|----|
| NAME | COST_CODE | |
| ▼ Procurement and Contr... | 000000 | fa |
| ▼ Project | 000100 | fa |
| Project Title Page | 000101 | fa |
| Project Directory | 000103 | fa |
| Certifications Page | 000105 | fa |
| Seals Page | 000107 | fa |
| Table of Contents | 000110 | fa |
| List of Drawina Shee | 000115 | fa |


User can directly edit the value of the table cells in the table without clicking any button.

| QUANTITY SURVEY | |
|-----------------------------------|-----------------------|
| NAME | ITEM_ID |
| ▼ Procurement and Contracting ... | 090b593c-8647-25be-39 |
| ▼ Project | 27c552e7-9df4-3a3d-6b |
| Project Title Page | c2d844c3-a22c-82c6-3c |
| Project Directory | 22eacd52-f937-dd96-68 |
| Certifications Page | 30e4dd3c-39a0-8916-74 |
| Seals Page | e91098c6-2730-9c58-fd |
| Table of Contents | 948e14a5-5c24-e2ed-90 |
| List of Drawing Sheets | 92cc80b7-a44c-d342-8a |
| List of Schedules | 4b56bcd-f81a4-4081-a8 |



[Edit Quantity Survey Template](#)

User will navigate to template page by clicking Edit Quantity Survey Template.





Template Page:

Resource Management

Project 2

Cost Manager

Project 2

| Project Scope Fields | | Quantity Survey Fields | | |
|----------------------|-------------------------------------|---|-----------------|--|
| name | <input checked="" type="checkbox"/> | Field quantity | Type Number |  |
| cost_code | <input type="checkbox"/> | Field price | Type Number |  |
| editable | <input type="checkbox"/> | Field total price | Type Formula | Formula quantity * price  |
| item_id | <input checked="" type="checkbox"/> | Add Field  | | |

SAVE

User can select what columns should be showing in the Formula Page table by selecting or deselecting the column names in the project scope fields.

User can add columns in the quantity survey fields. Field is the name of the header of the column.

Quantity Survey Fields

| | | | |
|----------------------|--|-----------------------------|--|
| Field quantity | Type Number | | |
| Field price | Type Number | | |
| Field total price | Type Formula | Formula quantity * price | |
| Field new name | <div>Number ✓ Text Formula</div> | | |

Add Field

There are three options of the column data type: number, text and formula.

If user select the formula option, there will be a formula input text-box to let users enter the formula.

And user can delete the new field by clicking the trash button.

| QUANTITY SURVEY | | | | | |
|----------------------------|---------------------------|----------|-------|-------------|----------|
| NAME | ITEM_ID | QUANTITY | PRICE | TOTAL PRICE | NEW NAME |
| ▼ Procurement and Contra.. | 090b593c-8647-25be-39... | | | | |
| ▼ Project | 27c552e7-9df4-3a3d-6b4... | | | | |
| Project Title Page | c2d844c3-a22c-82c6-3c9... | | | | |
| Project Directory | 22eacd52-f937-dd96-682... | | | | |
| Certifications Page | 30e4dd3c-39a0-8916-741... | | | | |
| Seals Page | e91098c6-2730-9c58-fda... | | | | |
| Table of Contents | 948e14a5-5c24-e2ed-900... | | | | |
| List of Drawing Sheet | 92cc80b7-a44c-d342-8a9... | | | | |
| List of Schedules | 4b56bcd5-81a4-4081-a86... | | | | |

[Edit Quantity Survey Template](#)

✓ Submit

The new columns will update in the Formula Page table.
 In the above example, if use enters the value of quantity and price. The total price will be calculated automatically according to the formula use declares in the template page