

Universal Collection

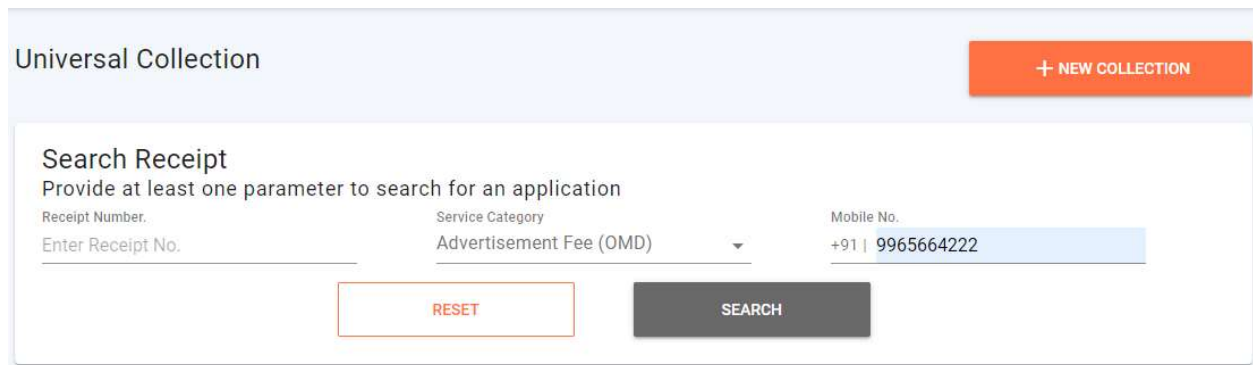
Search Receipt

Objective

Provide Citizen/Employee to search Receipt, download receipt and its current status.

Route - <https://egov-micro-dev.egovernments.org/employee/uc/search>

<https://egov-micro-dev.egovernments.org/citizen/uc-citizen/search>



The screenshot shows a web interface for 'Universal Collection'. At the top right is an orange button labeled '+ NEW COLLECTION'. Below this is a search form titled 'Search Receipt' with the instruction 'Provide at least one parameter to search for an application'. The form contains three input fields: 'Receipt Number.' with a placeholder 'Enter Receipt No.', 'Service Category' with a dropdown menu showing 'Advertisement Fee (OMD)', and 'Mobile No.' with a placeholder '+91 | 9965664222'. Below the inputs are two buttons: a red 'RESET' button and a dark grey 'SEARCH' button.

Technical Implementation Details

- Initial page. <https://github.com/egovernments/frontend/blob/80c5bff5b0869ba44f1626fab4a5a6133afa558/web/rainmaker/dev-packages/egov-uc-dev/src/ui-config/screens/specs/uc/search.js>
- Initial MDMS call is being made on page load

```
const ucSearchAndResult = {  
  uiFramework: "material-ui",  
  name: "search",  
  beforeInitScreen: (action, state, dispatch) => {  
    getData(action, state, dispatch);  
    return action;  
  },  
};
```

- All the Forms and its functionality are in <https://github.com/egovernments/frontend/blob/master/web/rainmaker/dev-packages/egov-uc-dev/src/ui-config/screens/specs/uc/universalCollectionResources> path.
- Table rendering is taken care in <https://github.com/egovernments/frontend/blob/80c5bff5b0869ba44f1626fabe4a5>

[a6133afa558/web/rainmaker/dev-packages/egov-uc-dev/src/ui-config/screens/specs/uc/universalCollectionResources/searchResults.js](https://github.com/egovernments/frontend/blob/35489dff247d10ea90fbf6eb69b116f638c36102/web/rainmaker/dev-packages/egov-uc-dev/src/ui-config/screens/specs/uc/universalCollectionResources/searchResults.js)

- The Bill search API and formatting data is in done in <https://github.com/egovernments/frontend/blob/35489dff247d10ea90fbf6eb69b116f638c36102/web/rainmaker/dev-packages/egov-uc-dev/src/ui-config/screens/specs/uc/universalCollectionResources/function.js>

Table Structure

- MUIDataTable is used to implement Table component.
- Every columns are entry given as an Object

```
{  
  labelName: "Receipt No.",  
  labelKey: "UC_COMMON_TABLE_COL_RECEIPT_NO",  
}
```

- Any customizations at column level are by `customBodyRender` hook available in all the columns 'option' property.

Search Results for Receipt (30)					
Receipt No	Consumer Name	Service Type	Receipt Date	Amount Paid[INR]	Status
MP/107/2020-21/063682	Jagankumar	Hoardings	20/05/2020	484	ACTIVE
MP/107/2020-21/063646	Test	Hoardings	18/05/2020	123456	ACTIVE
MP/107/2020-21/063645	Anitha	Hoardings	18/05/2020	34567	ACTIVE
MP/107/2020-21/063644	Anitha	Hoardings	18/05/2020	234567	ACTIVE
MP/107/2020-21/063332	SRISHTI	Hoardings	22/04/2020	4234	ACTIVE
MP/107/2020-21/063201	Lata	Hoardings	11/04/2020	7090	ACTIVE
MP/107/2020-21/063195	Lata	Hoardings	10/04/2020	14501	ACTIVE

Data fetch, load and render

Once the data is fetched using `collection-services/payments/_search` API, the returned data is formatted and dispatched to redux

<https://github.com/egovernments/frontend/blob/35489dff247d10ea90fbf6eb69b116f638c36102/web/rainmaker/dev-packages/egov-uc-dev/src/ui-config/screens/specs/uc/universalCollectionResources/function.js>

```
let data = response.map(item => ({
  ['UC_COMMON_TABLE_COL_RECEIPT_NO']: item.receiptNumber || "-",
  ['UC_COMMON_TABLE_COL_PAYEE_NAME']: item.payeeName || "-",
  ['UC_SERVICE_TYPE_LABEL']: getTextToLocalMapping('BILLINGSERVICE_BUSINESSSERVICE_${item.serviceType}',
  ['UC_COMMON_TABLE_COL_DATE']: convertEpochToDate(item.receiptdate) || "-",
  ['UC_COMMON_TABLE_COL_AMOUNT']: item.amount || "-",
  ['UC_COMMON_TABLE_COL_STATUS']: item.status || "-",
  ['RECEIPT_KEY']: get(uiConfigs.filter(item => item.code === item.businessService), "0.receiptKey", "0.receiptKey"),
  ['TENANT_ID']: item.tenantId || "-"
}));
dispatch(
  handleField(
    "search",
    "components.div.children.searchResults",
    "props.data",
    data
  )
);
dispatch(
  handleField(
    "search",
    "components.div.children.searchResults",
    "props.rows",
    data.length
  )
);
```

As we can see from the image above, the data is put to specific path inside props.

<https://github.com/egovernments/frontend/blob/80c5bff5b0869ba44f1626fabe4a5a6133afa558/web/rainmaker/dev-packages/egov-uc-dev/src/ui-config/screens/specs/uc/universalCollectionResources/searchResults.js>

```
export const searchResults = {
  uiFramework: "custom-molecules",
  componentPath: "Table",
  visible: false,
  props: {
    columns: [
      {
        labelName: "Receipt No.",
        labelKey: "UC_COMMON_TABLE_COL_RECEIPT_NO",
      }
    ]
  }
};
```

Table component now fetches the data from its props as shown below.

```

▼ screenConfiguration:
  ▶ preparedFinalObject: {cityUpdateDialog: true, applyScreenWdmsData: {...}, Demands: Array(1), searchScreen: {...}, searchScreenWdmsData: {...}, ...}
  ▼ screenConfig:
    ▶ newCollection: {uiFramework: "material-ui", name: "newCollection", components: {...}, beforeInitScreen: f}
    ▼ search:
      ▶ beforeInitScreen: f beforeInitScreen(action, state, dispatch)
      ▼ components:
        ▼ div:
          ▼ children:
            ▶ UCSearchCard: {componentPath: "Card", props: {...}, children: {...}, componentJsonpath: "components.div.children.UCSearchCard"}
            ▶ breakAfterSearch: {uiFramework: "custom-atoms", componentPath: "Break", props: {...}, componentJsonpath: "components.div.children.breakAfterSearch"}
            ▶ headerDiv: {uiFramework: "custom-atoms", componentPath: "Container", children: {...}, componentJsonpath: "components.div.children.headerDiv"}
          ▼ searchResults:
            componentJsonpath: "components.div.children.searchResults"
            componentPath: "Table"
          ▼ props:
            ▶ columns: (8) [...]
            ▶ customSortColumn: {column: "Date", sortingFn: f}
            ▼ data: Array(3)
              ▶ 0: {UC_COMMON_TABLE_COL_RECEIPT_NO: "06/2019-20/002355", UC_COMMON_TABLE_COL_PAYEE_NAME: "Gyan", UC_SERVICE_TYPE_LABEL: "NDC - No Dues Certificate", UC_COMMON_TABLE_COL_DA...
              ▶ 1: screenConfiguration.screenConfig.search.components.div.children.searchResults.props.data [ _PAYEE_NAME: "Gyan", UC_SERVICE_TYPE_LABEL: "NDC - No Dues Certificate", UC_COMMON_TABLE_COL_DA...
              ▶ 2: {UC_COMMON_TABLE_COL_RECEIPT_NO: "06/2019-20/002355", UC_COMMON_TABLE_COL_PAYEE_NAME: "Gyan", UC_SERVICE_TYPE_LABEL: "NDC - No Dues Certificate", UC_COMMON_TABLE_COL_DA...
                length: 3
              ▶ __proto__: Array(0)
            ▶ options: {filter: false, download: false, responsive: "stacked", selectableRows: false, hover: true, ...}
            title: "Search Results for Receipt (3)"
            ▶ __proto__: Object
            uiFramework: "custom-molecules"
            undefined: undefined
            visible: true
            ▶ __proto__: Object
            ▶ __proto__: Object
            componentJsonpath: "components.div"
            componentPath: "Form"

```

API Used

1. egov-mdms-service/v1/_search,
2. collection-services/payments/{BUSINESSSERVICE}/_search in case of employee

ROLE ACTION MAPPING

S.NO	API	ROLES	ACTION ID
1	egov-mdms-service/v1/_search	SUPERUSER , LOA_CREATOR , WO_CREATOR , AE_CREATOR , WORKS_MASTER_CREATOR	954
2	collection-services/payments/_search	CITIZEN	1864
3	collection-services/payments/ADVT.Hoarding s/_search	EMPLOYEE	2048