

Front end

html

```
<th style="width:20%" (click)="onSort('name')" >Campaign Name <p-sortIcon></p-sortIcon></th>
```

Service.ts

```
url:string='http://localhost:8082'
```

```
getAll(searchTerm?: string, sortorder?: string, sortBy?: string) {  
  let url = `${this.url}/getAllCampaign`;  
  if (searchTerm) {  
    url += `?search=${searchTerm}`;  
    console.log("search",url);  
  }  
  if (sortBy && sortorder) {  
    const sortParams = `sortBy=${sortBy}&sortOrder=${sortorder}`;  
    url += searchTerm ? `&${sortParams}` : `?${sortParams}`;  
    console.log("sortBY",url);  
    console.log("sortparams",sortParams);  
  }  
  return this.client.get(url);  
}
```

Component.ts

sortBy:any

sortOrder:any

getAllDetails()

```
{
```

```

this.Service.getAll(this.searchTerm,this.sortOrder,this.sortBy).subscribe(data=>
{
this.details=data;
this.detail=this.details.data
console.log(this.details)
// console.log(data)
})
}

```

---

```

onSort(column) {
this.sortBy = column;
this.sortOrder = this.sortOrder === 'ASC' ? 'DESC' : 'ASC';

```

```

console.log("sortby",this.sortBy);
console.log("sortorder",this.sortOrder);
this.getalldetails()
}

```

Back End

Controller.js

```

exports.getAllCampaigns= async (req, res) => {
const sql = await mysql.connection();
try {
const searchKeyword = req.query.search || "";
const sortBy = req.query.sortBy || ""; // Default sorting by campaign name
const sortOrder = req.query.sortOrder || "";
console.log("sortby",sortBy);
console.log("sortorder",sortOrder);

```

```

let query = `
SELECT c.id, c.name, c.startDate, c.endDate, c.triggerUrl, c.videoUrl, f.fileUrl,
cs.status
FROM Campaign.campaign as c
LEFT JOIN fileUpload f ON f.id = c.fileuploadId
LEFT JOIN campaignStatus cs ON c.campStatusId = cs.id
`;

const queryParams = [];

if (searchKeyword) {
  query += 'WHERE c.name LIKE ? ';
  queryParams.push(`%${searchKeyword}%`);
}

if (sortBy && sortOrder) {
  query += ` ORDER BY ${sortBy} ${sortOrder}`;
}

const data = await sql.query(query,queryParams
)

.then((response) => {
  console.log(response)
  if (response.length > 0) {
    res.status(200).json({
      status: "Sucess",
      message: "Data found",
      data: response,
    });
  } else {
    res.status(200).json({
      status: "Failed",

```

```
message:
  "No search result found.",
});
}
})
.catch((err) => {
  res.status(400).json({
    status: 400,
    message: err,
  });
});
} catch (err) {
  console.log(err);
}
};
```