

# Rest API

## 1. Project

### 1.1 Data Type

```
Project {  
    id (integer),  
    name (string),  
    image (string, optional),    ** Image file name  
    organizationId,  
    organizationName (string),  
    briefDescription (string),  ** This is the brief description which has length limit  
    detailedDescription (string), ** This is the detailed description  
    address1(string, optional),  
    address2(string, optional),  
    state (string, optional),  
    country (string, optional),  
    remote (string),            ** Whether this is a remote project or not, value: [ Y | N ]  
    createDate (string),        ** The date that project is created  
    status (string),            ** Project status, value: [Pending | Active | Completed | Cancelled]  
}
```

### 1.2 Operations

Operation	Method	Description
/api/project/all	GET	Returns all projects. Sort by post date in descending order.
/api/project/search/byId/{id}	GET	Search for project by ID.
/api/project/search/byKeyword/{keyWord}	GET	Search for projects by keyword. Search for keyword in: - project name - project description - organization name
/api/project/create	POST	Create a project.
/api/project/update	PUT	Update a project.

/api/project/delete/{id}	DELETE	Delete a project. Soft delete by marking the database record as deleted, don't delete the physical record.
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## 2. Organization

### 2.1 Data Type

```

Organization {
    id (integer),
    name (string),
    logo (string, optional),      ** Logo file name
    briefDescription (string),    ** This is the brief description which has length limit
    detailedDescription (string), ** This is the detailed description
    address1(string),
    address2(string, optional),
    state (string, optional),
    country (string),
    createDate (string),          ** The date that project is created
    status (string),              ** Organisation status, value: [Pending | Active | Deleted]
}

```

### 2.2 Operations

Operation	Method	Description
/api/organization/all	GET	Returns all organisations. Sort by post date in descending order.
/api/organization/search/byId/{id}	GET	Search for organization by ID.
/api/organization/search/byKeyword/{keyWord}	GET	Search for organizations by keyword. - organization name - organization description
/api/organization/create	POST	Create an organization.
/api/organization/update	PUT	Update an organization.
/api/organization/delete/{id}	DELETE	Delete an organization. Soft delete by marking the database record as deleted, don't delete the physical record.

### 3. User

#### 3.1 Data Type

```
User {  
    id (integer),  
    TBD  
}
```

#### 3.2 Operations

Operation	Method	Description
/api/user/all	GET	Returns all organisations. Sort by post date in descending order.
/api/user/search/byId/{id}	GET	Search for user by ID.
/api/user/search/byUsername/{username}	GET	Search for user by username. This is wildcard search.
/api/user/search/byName/{firstName, lastName}	GET	Search for user by first name and last name. This is wildcard search.
/api/user/create	POST	Create a user.
/api/user/update	PUT	Update a user.
/api/user/delete/{id}	DELETE	Delete a user. Soft delete by marking the database record as deleted, don't delete the physical record.