

# Exercise: Routing

Lab problem for the [“JavaScript Applications” course @ SoftUni](#).

## Team Manager

Create a JS application for managing teams. Use Handlebars for rendering, Sammy.js for routing and Firebase as a backend provider. Structure your work so that it is easy to manage. The example is styled using [Bootstrap](#).

### 1. App Structure

- **Home Page** – show relevant info, depending on the status of the user
- **Catalog** – a list of all registered teams
- **About** – dummy page that would hold information about the app
- **Register User**
- **Create Team**
- **Edit Team**
- **View Team Details** – a detailed page that shows all members of the team and management controls

Create a header that is shared across all pages and place links to the relevant sections in it.

### 2. CRUD Operations

The app must support user registration, login and logout. Store the user credential in **session storage**. Once logged in, the user is free to browse all registered teams and **join** or **create** a new team. At any point, the user is able to **leave** the team he is a member of. The user can only join **one** team at a time. Also when a user **creates** a team he **automatically** joins it. He **cannnot** create a team **again** unless he leaves the newly created team.

### 3. Entity Structure

A team has a **name** and a **comment** that are displayed while browsing. A user has a **username**. You may create databases and entries as you see fit. A sample collection structure is as follows:

```
teams {  
  name,  
  comment  
}
```

Add a column **teamId** to the default **users** collection, showing which team they have joined currently.

## Screenshots

Use this information as a guideline. You may style and structure your solution differently, so long as the required functionality is present.

Home page when the user is logged in and a header, that is shared across all pages.

The screenshot shows a web browser window with the URL "localhost:3000" in the address bar. The title "Team Manager" is displayed prominently at the top. Below the title is a navigation bar with four buttons: "Home", "About", "Login", and "Register". The main content area is titled "Home Page" and contains the message "You are currently not logged in. Please, log in or register to view team options."

### User registration form

This screenshot shows a registration form within a bordered container. It includes fields for "Username" (with a placeholder), "Password" (with a placeholder), "Repeat Password" (with a placeholder), and a "Register" button.

### Login form

This screenshot shows a login form within a bordered container. It includes fields for "Username" (with a placeholder) and "Password" (with a placeholder), and a "Login" button.

Home page view for a registered user. Note the header navigation has changed to reflect that.

The screenshot shows a home page for a registered user named "vvv". The title "Team Manager" is displayed, along with a welcome message "Welcome, vvv". The navigation bar includes "Home", "Catalog", "About", and "Logout" buttons. The main content area is titled "Home Page" and contains the message "You are currently not a member of a team. View the [catalog](#) to join or create one."

Team browser.

# Catalog Page

Create team

Team name	Team name	Team name
Description	Description	Description
<b>Chershka</b>	<b>ttt</b>	<b>Malinka</b>
No description	No description	Need one member

  

Team name	Team name	Team name
Description	Description	Description
<b>Yagodka</b>	<b>Greipfrut</b>	<b>Krusha</b>
No description	The end is nigh	kkk

Create team and edit team forms are identical.

## Create Page

Name:

Description:

Submit changes

Team details with option to join the team and a list of all current members.

### Chershka details

Team members

aaa

Description

No description

Team management

Join team

Team management. If the user is a member, they can leave the team. If the user is the creator, they can edit it.

```
<!-- Libraries -->
<script src="./node_modules/jquery/dist/jquery.js"></script>
<script src="./node_modules/bootstrap/dist/js/bootstrap.js"></script>
<script src="node_modules/handlebars/dist/handlebars.js"></script>
<script src="node_modules/sammy/lib/sammy.js"></script>
<script src="./node_modules/sammy/lib/plugins/sammy.handlebars.js"></script>
```