

Reward Center

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Description

REWARD CENTER is a web based application , allow users to manage their cash back offers and benefits on each card they have it. This application helps the user to earn maximum rewards.



Features

- Application Authentication
- User Session Management
- CRUD feature for User, Cards, Categories, Departments, Offers.
- Masked Card Number for security.



Planning - User Stories

User has to create an account and login to the site.

Once users are logged in

- Add Card details, Categories, Departments, Offers

- View, Edit and Delete the Card details, Categories, Departments, Offers



Planning - Database

Tables/Models

User – maintains user details like Name, Phone#, Email, Password

Cards – maintains the card info like Card Number, Brand, type, Exp Date

Categories – holds the category name and departments allowed.

Departments – holds the department details like Name, Description

Offers – joins all the above tables with Many-To-One relationship. Holds details like Cash back, qualified amount, mode, exp date, coupon code.



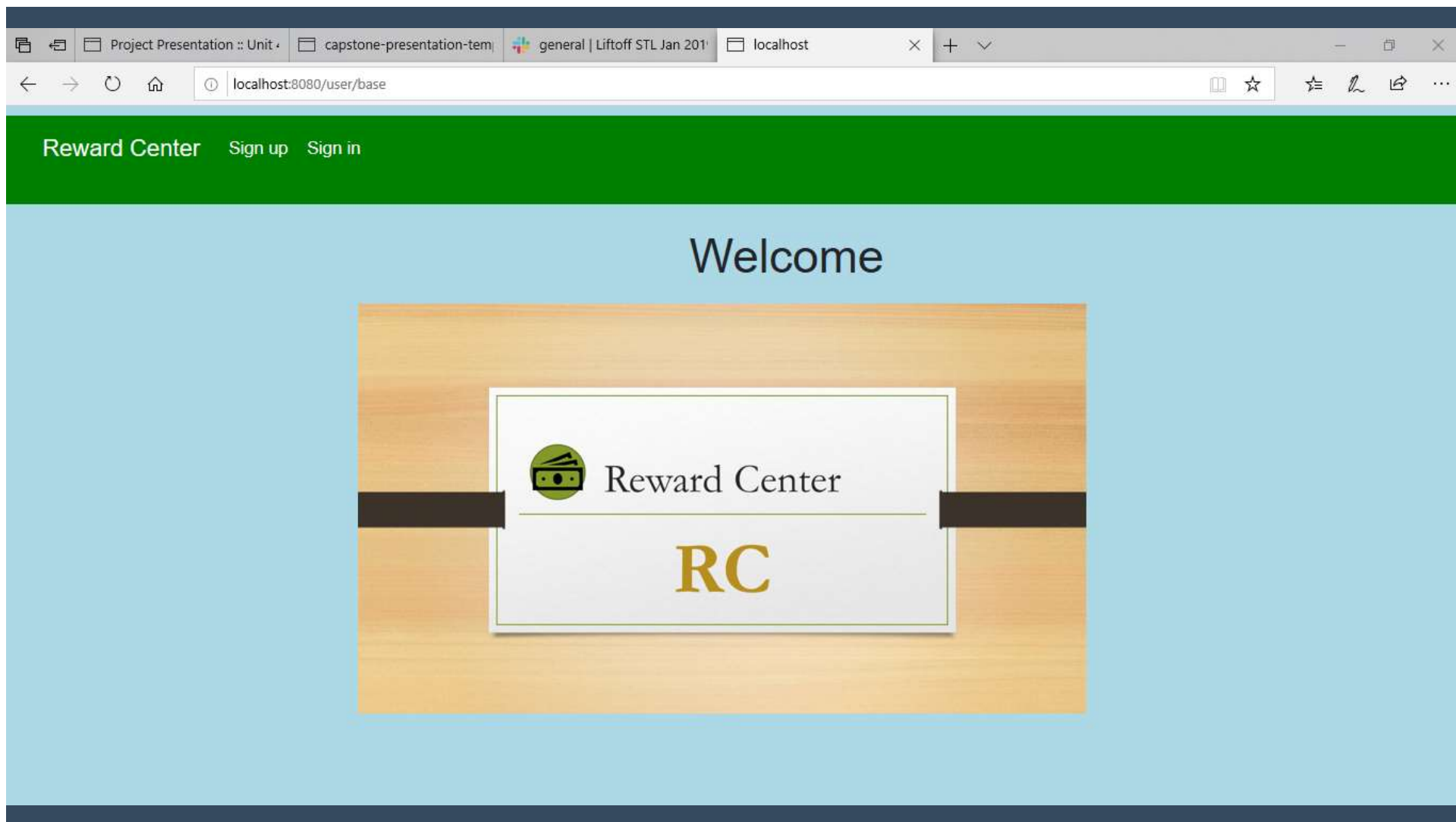
Technology Stack

- Java 8.0
- Spring Boot with Thyme leaf
- Bootstrap 4.2
- HTML5
- Hibernate
- MySQL database



Demo





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Sign up

New tab

html - How to center center

localhost:8080/user/signup

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Reward Center

Reward Center

Sign up

First name

Last name

Password

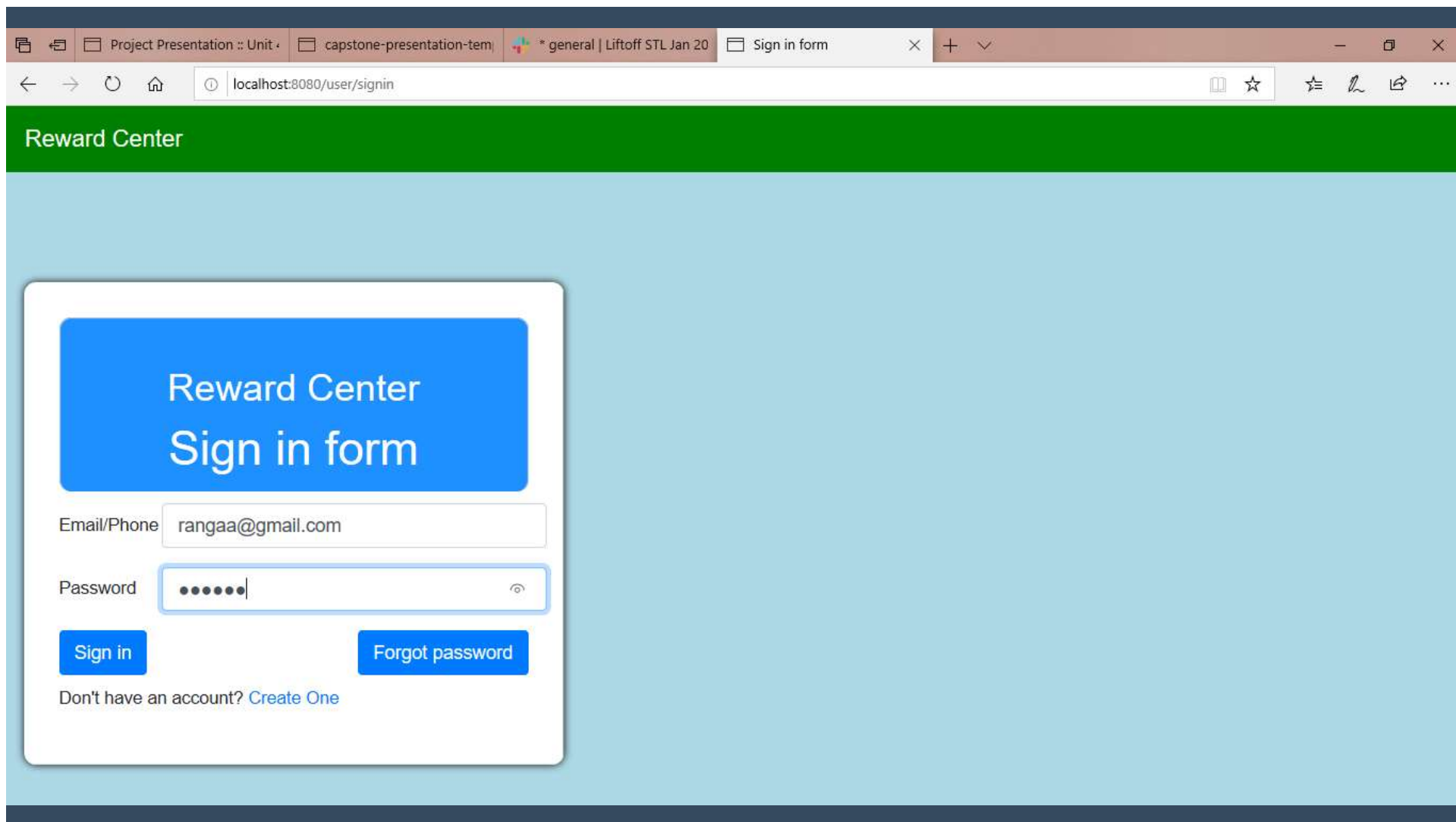
Confirm Password

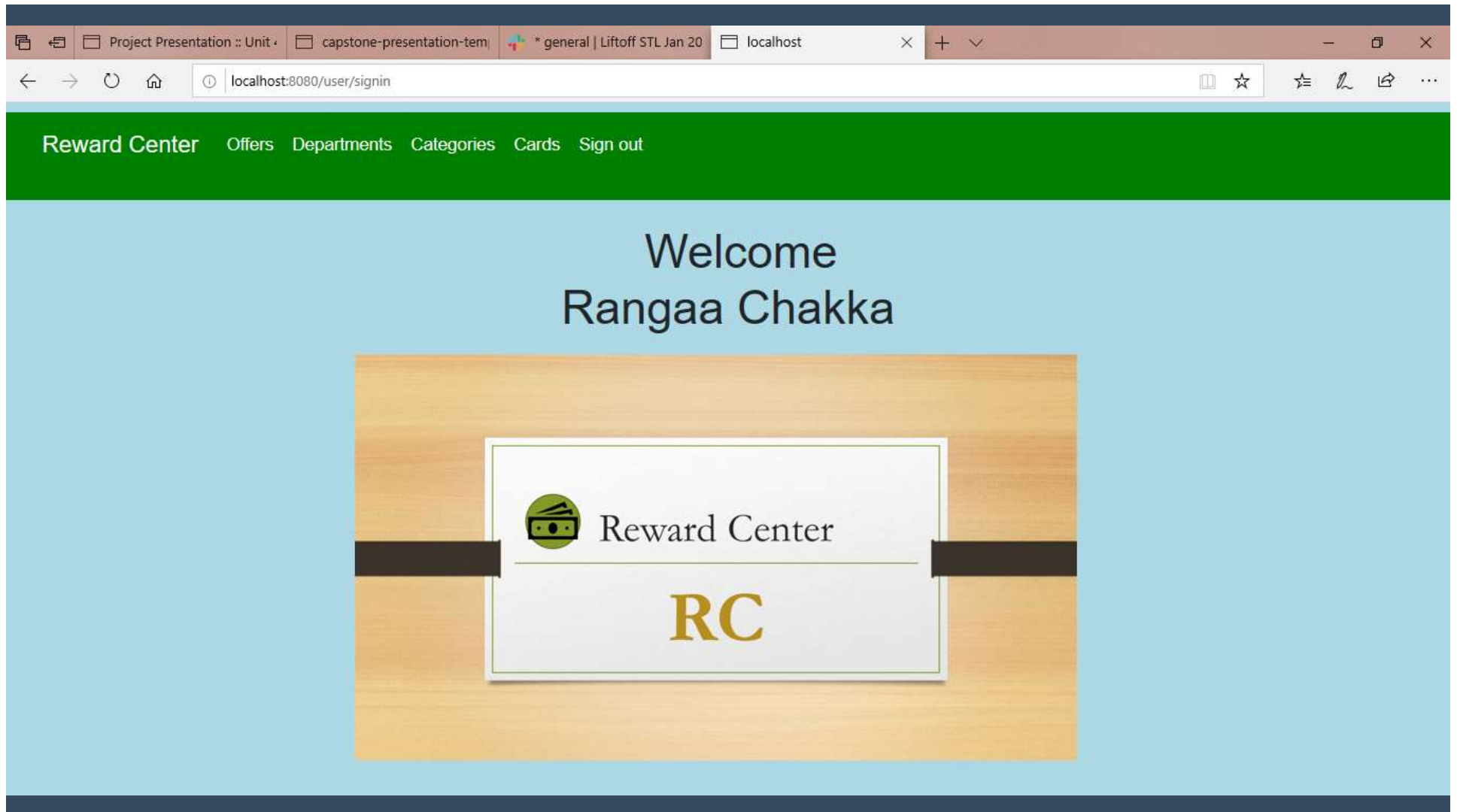
Email

Phone

Sign up

Already a User? [Sign in](#)





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Card data Entry

New tab

html - How to center conter

localhost:8080/card/addcard

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Reward Center

Offers

Departments

Categories

Cards

Sign out

CARD DATA ENTRY

Card Holder Name

Enter your Card Name

Card Brand

Enter your Card Brand

Card Number

Enter your Card Number

Card Type

Enter Card Type

Card Issuer

Enter Issued Bank

Valid Thru

Submit

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Card Data

New tab

Reward center - Pivotal Trac

localhost:8080/card/

Reward Center

Offers

Departments

Categories

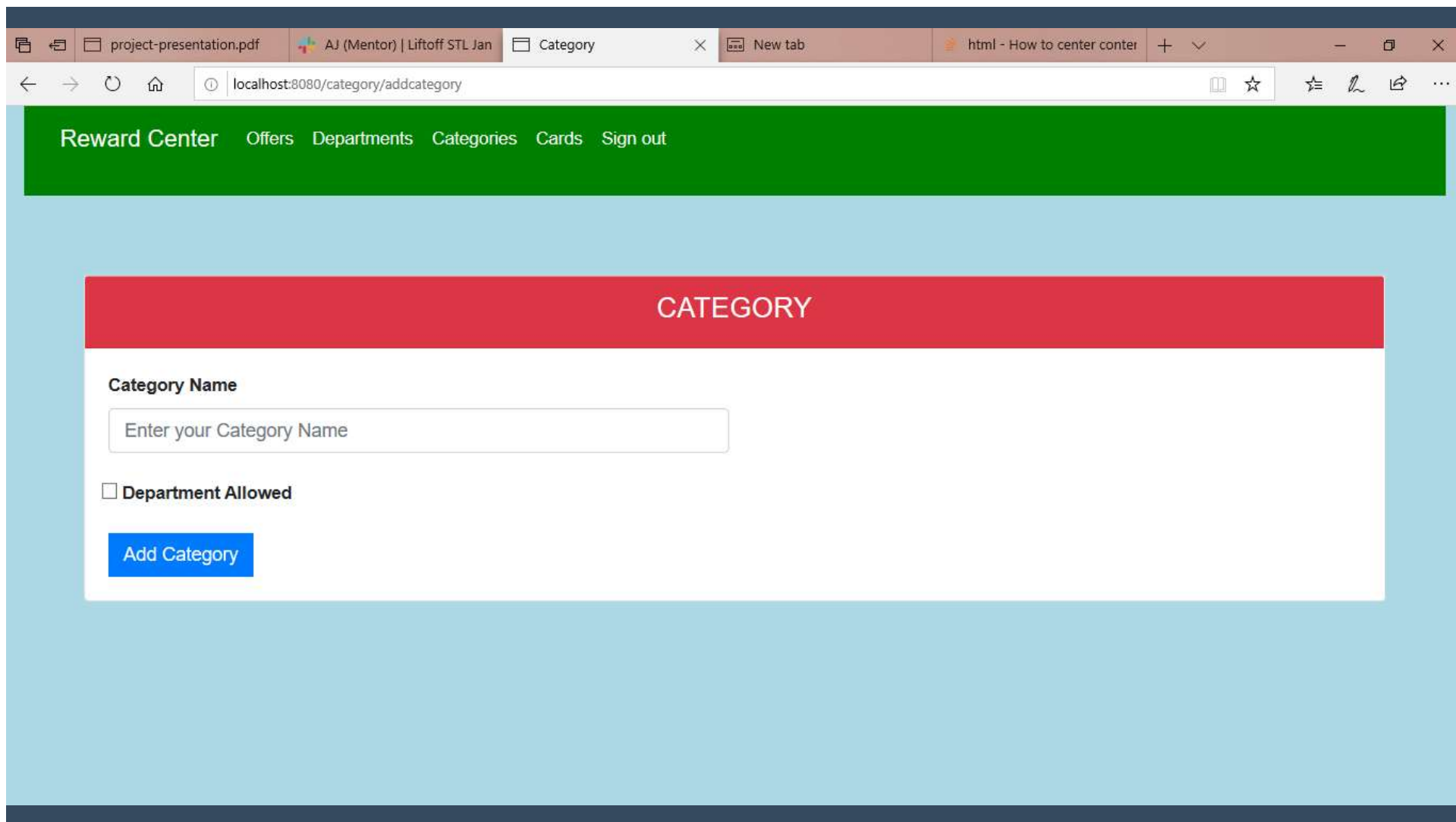
Cards

Sign out

CARD DATA

Add card

cardId	Name	Brand	Number	Type	Issued bank	Valid thru	Edit	Delete
142	Suhas	Master Card	*****5643	Debit	BOA	2019-11	Edit	Delete
7	ranga	visa	*****3456	Debit	Chase	2023-01	Edit	Delete
8	Nancy	Dcu	*****4321	credit	DCU	2022-12	Edit	Delete
9	Stella	American Express	*****7654	Debit	AmericanExpress	2019-06	Edit	Delete



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Category Info

New tab

html - How to center conter

localhost:8080/category/

Reward Center

Offers

Departments

Categories

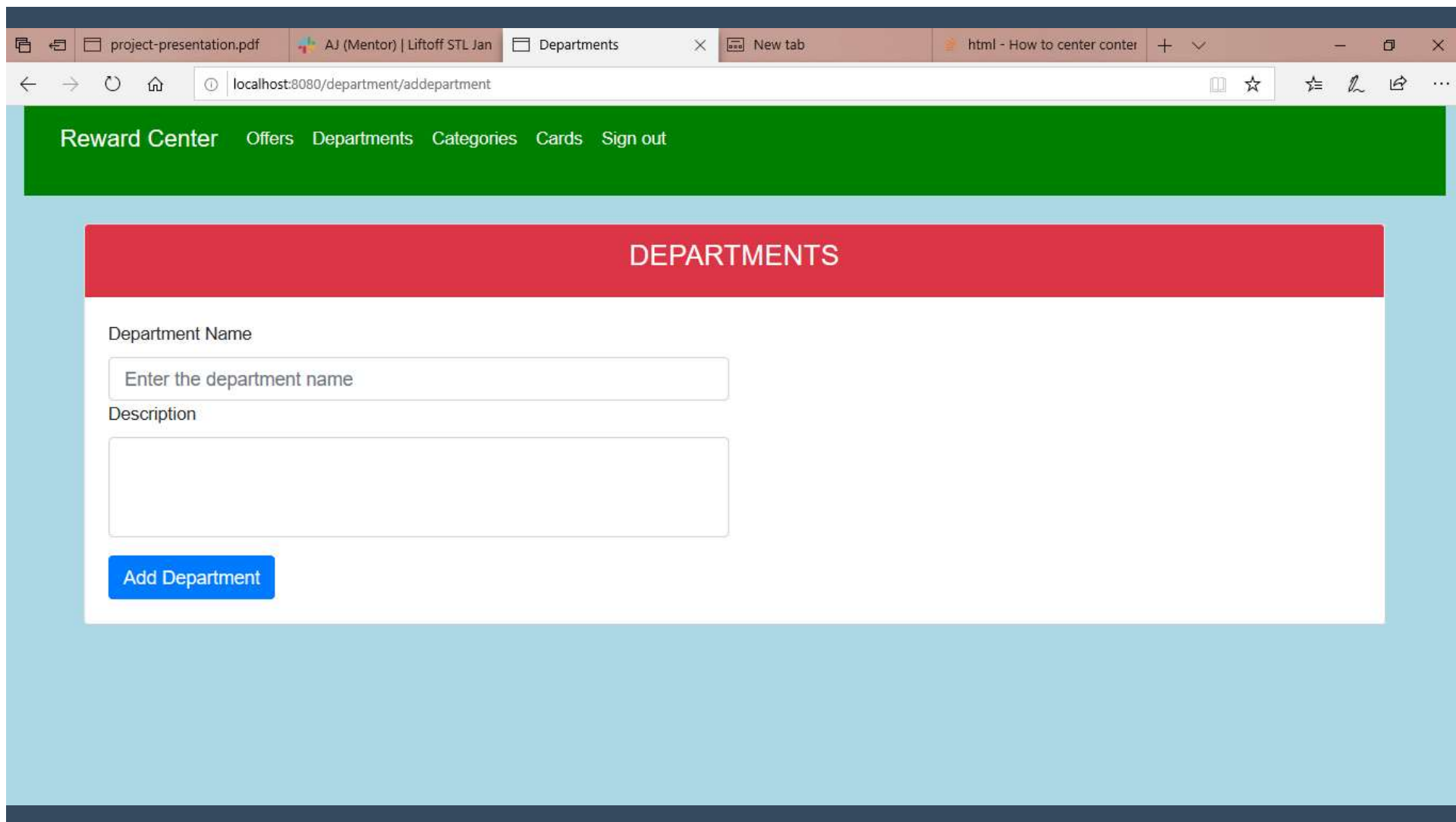
Cards

Sign out

CATEGORY INFO

Add category

categoryId	Category Name	Department Applicable	Edit	Delete
143	AdvaceAutoparts	false	Edit	Delete
144	Lowes	true	Edit	Delete
145	Tolls	false	Edit	Delete
146	Kohls	true	Edit	Delete
147	Macys	true	Edit	Delete
148	grocery Stores	false	Edit	Delete
158	Restaurants	false	Edit	Delete



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Department Info

New tab

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localhost:8080/department/

Reward Center

Offers

Departments

Categories

Cards

Sign out

DEPARTMENT INFO

Add

DepartmentId	Department Name	Description	Edit	Delete
149	Clothing	Find for all ages	Edit	Delete
150	auto parts	auto repair and parts for cars	Edit	Delete
151	Kitchen wear	for all kind of utensils	Edit	Delete
152	gorceries	find all items	Edit	Delete
153	None	no department applicable	Edit	Delete
154	All	All departments Applicable	Edit	Delete
159	lunch buffet	all kind of varities	Edit	Delete

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Offers

New tab

html - How to center conter

localhost:8080/offer/addoffer

Reward CenterOffersDepartmentsCategoriesCardsSign out

OFFERS

Cards1234567890125643

CashBack0.0

Cash Mode☐\$☒%

Qualified Amount0.0

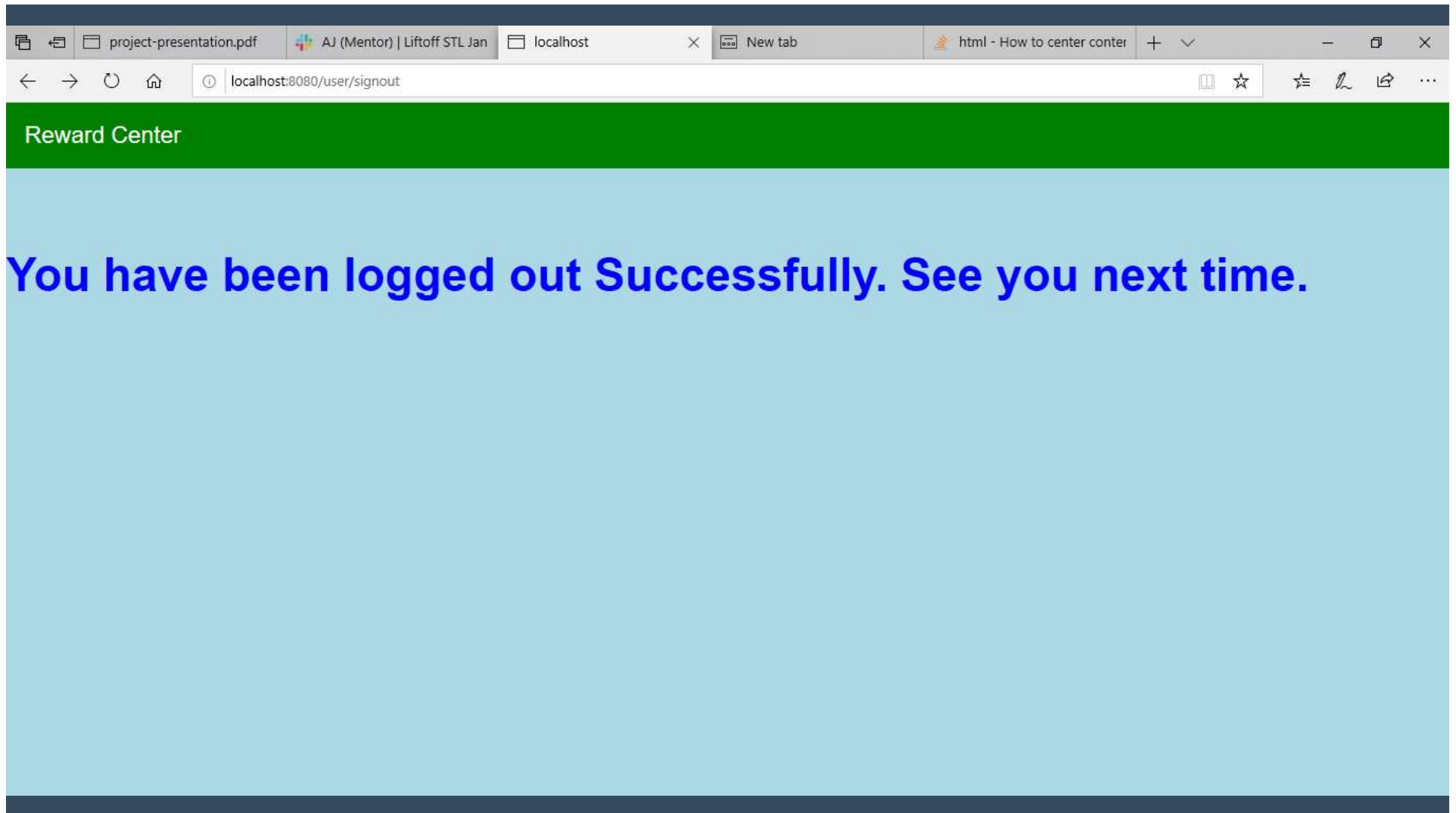
Expiry Datemm/dd/yyyy

Coupon CodesEnter Coupon code

CategoriesAdvaceAutoparts

DepartmentsClothing

Submit



What I Learned

- Bootstrap version 4
- Session management
- Using multi-selects to enable many-to-one relationship
- User Authentication
- Date conversions, Annotations, Custom methods in DAO classes.



What's Next

- Spring Security with OAuth2
- Currency Conversion using Micro Services
- Pagination, Sorting
- Internationalization/Translation feature

