



Full-Stack Web Development

[CSS 498] Summer 2021



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GO!



Learning Purpose

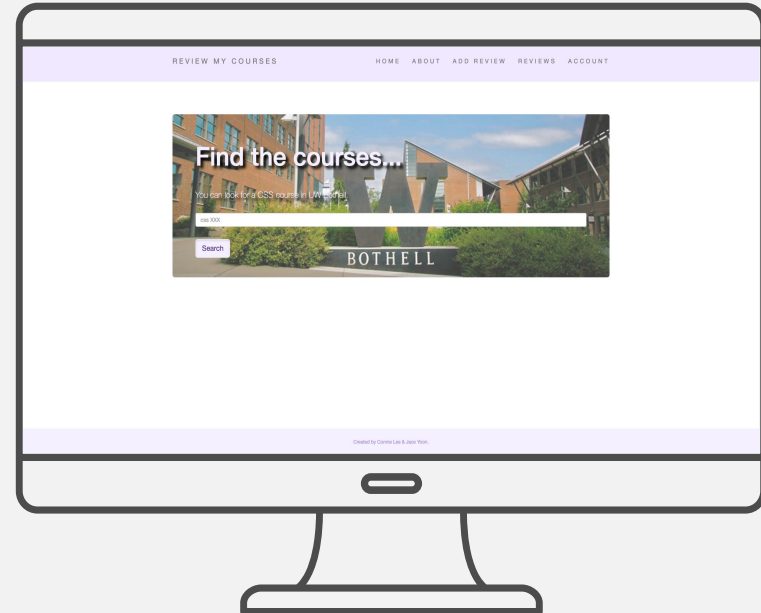
- Understand how the website is created and working
 - Develop my own website by working on both frontend and backend
 - Get a skill of Web Development before the graduate
- 
- 

Review My Courses

- A website for UW CSS students to get more information about courses
- Functions:
 - Add reviews
 - Search review by course name
 - Edit/delete reviews by user
 - Contact to the developer



Learning
Outcome



A large, yellow, cloud-like shape with a dark grey outline and diagonal stripes, serving as a background for the text.

Whoa!

<https://shrouded-cliffs-00191.herokuapp.com/>



[REVIEW MY COURSES](#)[HOME](#)[ABOUT](#)[ADD REVIEW](#)[REVIEWS](#)[ACCOUNT](#)

Find the courses...

You can look for a CSS course in UW Bothell.

BOTHELL

My Timeline



Overall
Process



Design

Front-end

Linking

Deploy

HTML5 / CSS3
+
Project Plan

Bootstrap /
JS / NodeJS /
EJS

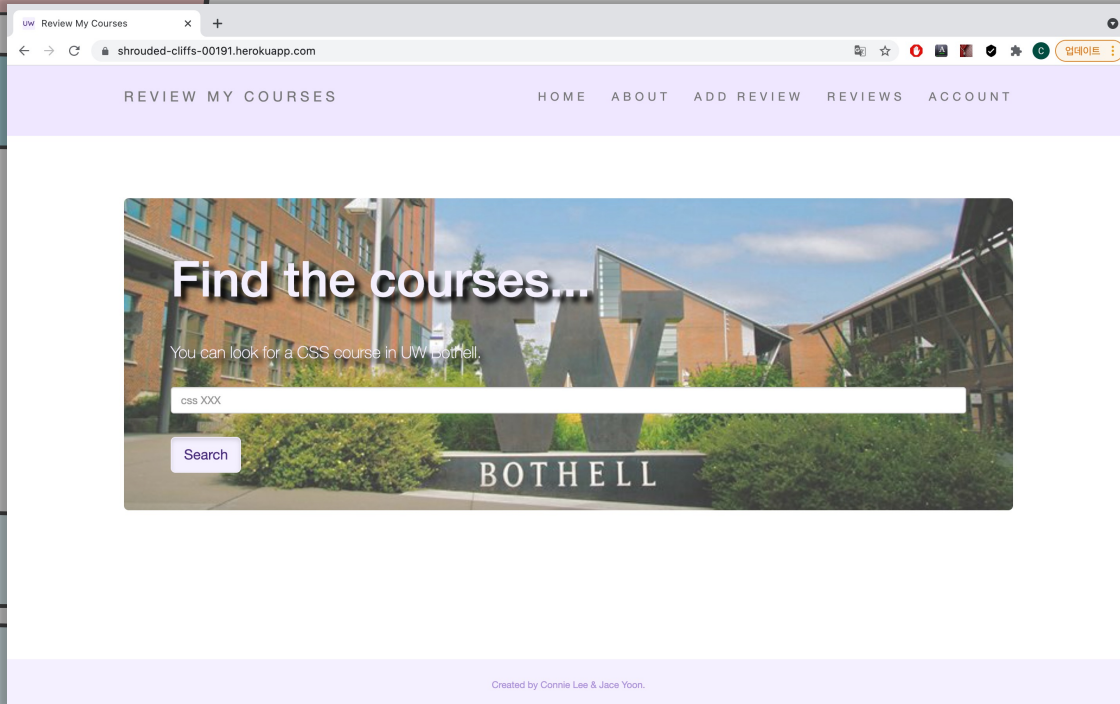
Git /
Mongoose /
Mongo DB

Mongo DB
Atlas /
Heroku

Home



Details



Search

```
<form action="/search"  
method="post">...</form>
```

```
<input type="text" ... >
```

```
<button type="submit" ...>  
...</button>
```

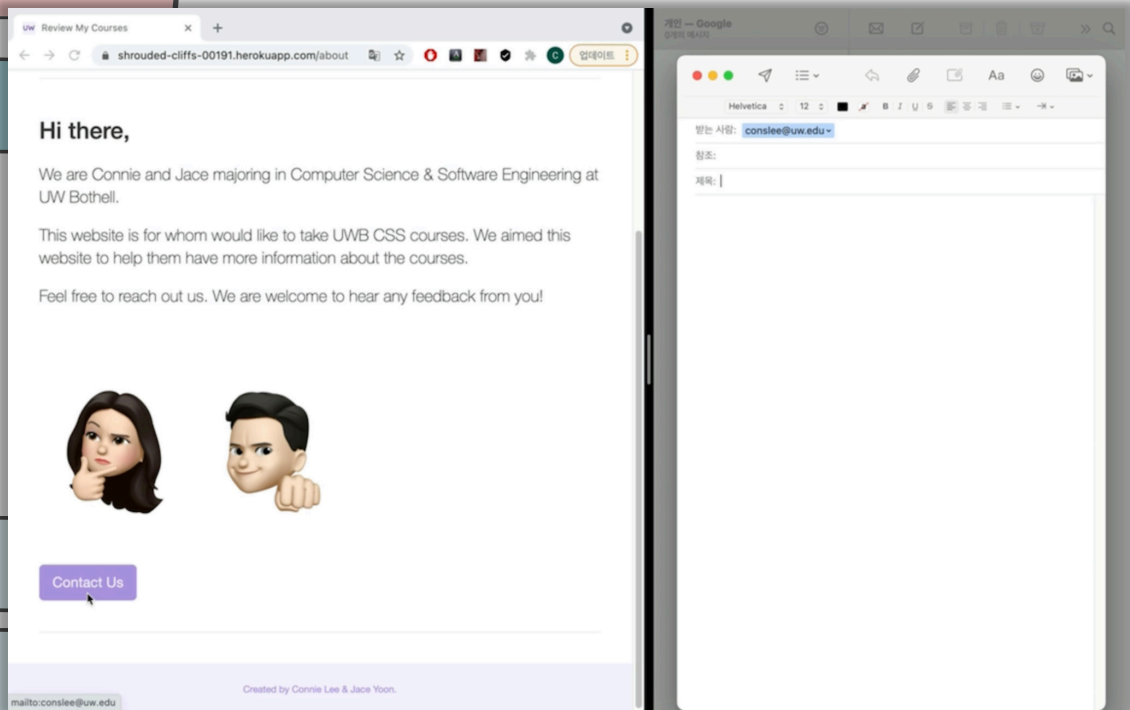
Style

```
class="jumbostron"  
background-img
```

About



Details



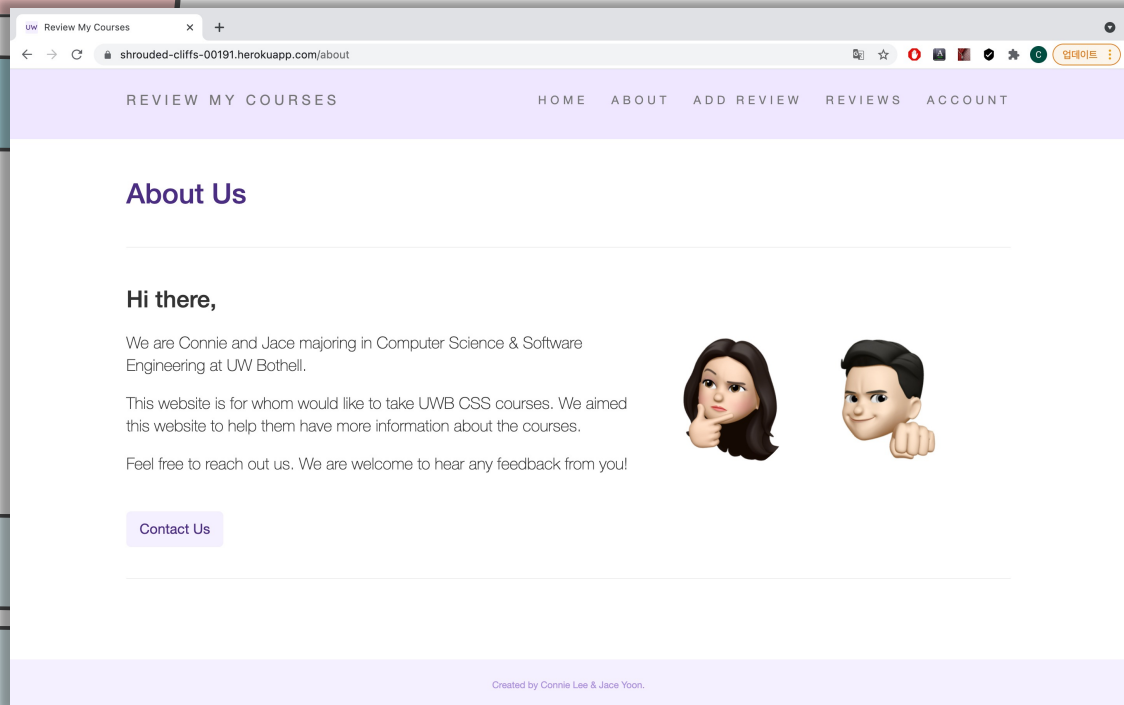
Contact

`<a class="btn" href="mailto: ...@uw.edu" role="button" ... `

About



Details



Contact

```
<a class="btn"
href="mailto: ...@uw.edu"
role="button" ... </a>
```

Style

```
<div class="col-md-7">
...</div>
<div class="col-md-5">
...</div>
```

Add reviews



Details

Add

Inputs

```
<form method="post" ... >...</form>
```

```
<input type="text" ... >
```

```
<select ...  
  <option hidden>...</option>  
  <option value = "...">...</option>  
</select>
```

```
<input type="number" ...  
min="2010" max="2022">
```

```
<textarea row ="5" column="30" ...  
></textarea>
```

The screenshot shows a web browser window with the URL 'shrouded-cliffs-00191.herokuapp.com/compose'. The page has a purple header with navigation links: REVIEW MY COURSES, HOME, ABOUT, ADD REVIEW, REVIEWS, and ACCOUNT. The main content area is titled 'Add Reviews' and contains a form with the following fields:

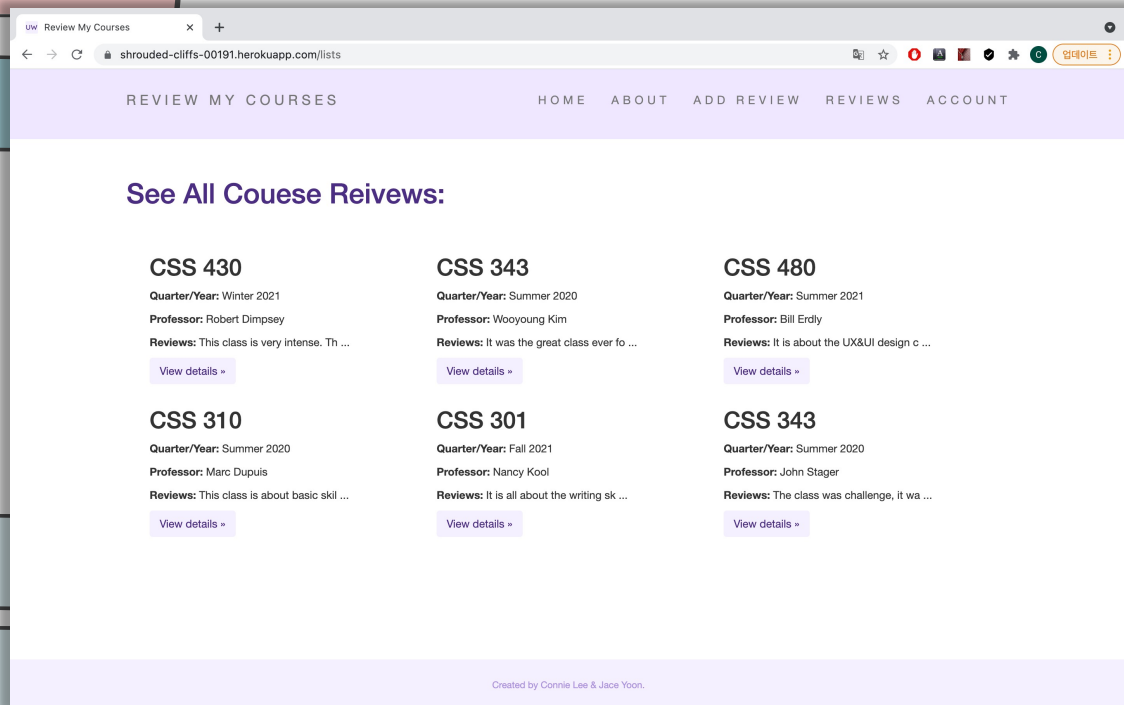
- Course**: A text input field.
- Quarter/Year**: A dropdown menu with the text '--- please select one ---'. The dropdown is open, showing options: 'Fall' (selected with a checkmark), 'Winter', 'Spring', and 'Summer'.
- Professor**: A text input field.
- Post**: A text area.
- Add**: A purple button at the bottom left of the form.

At the bottom of the page, there is a small footer that reads 'Created by Connie Lee & Jace Yoon.'.

Reviews



Details



Review lists

forEach

substring(0, 30)

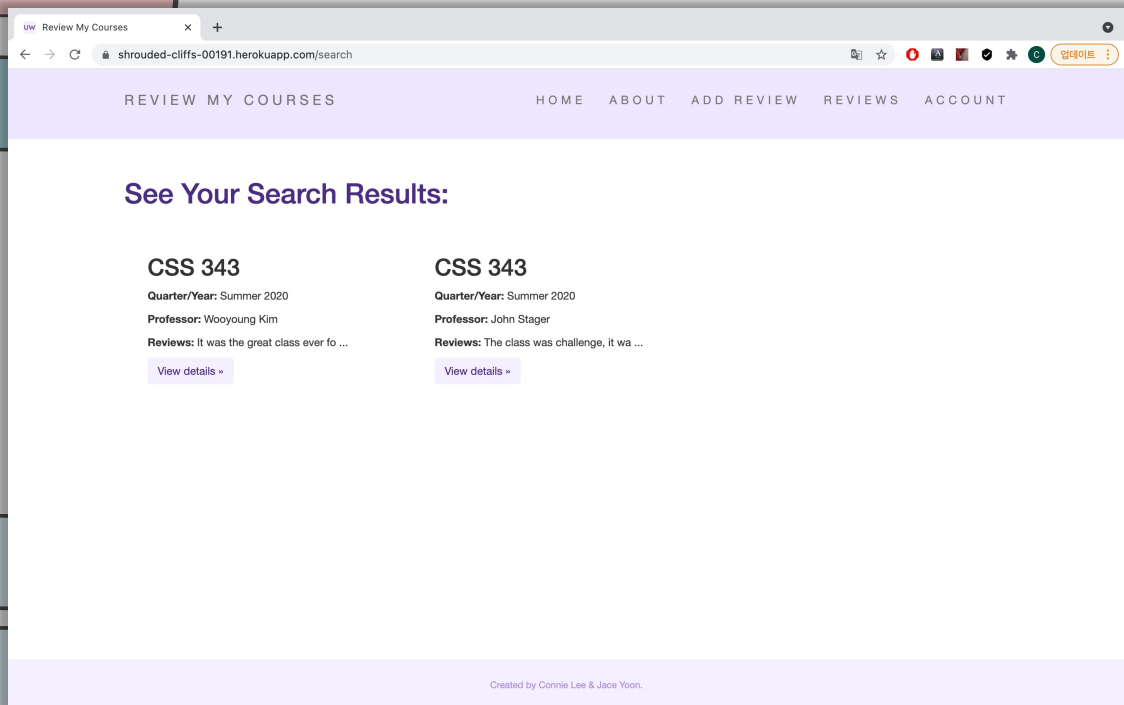
Style

```
<div class=
"col-xs-6 col-lg-4">
...</div>
```

Search



Details



Search results

forEach
substring(0, 30)

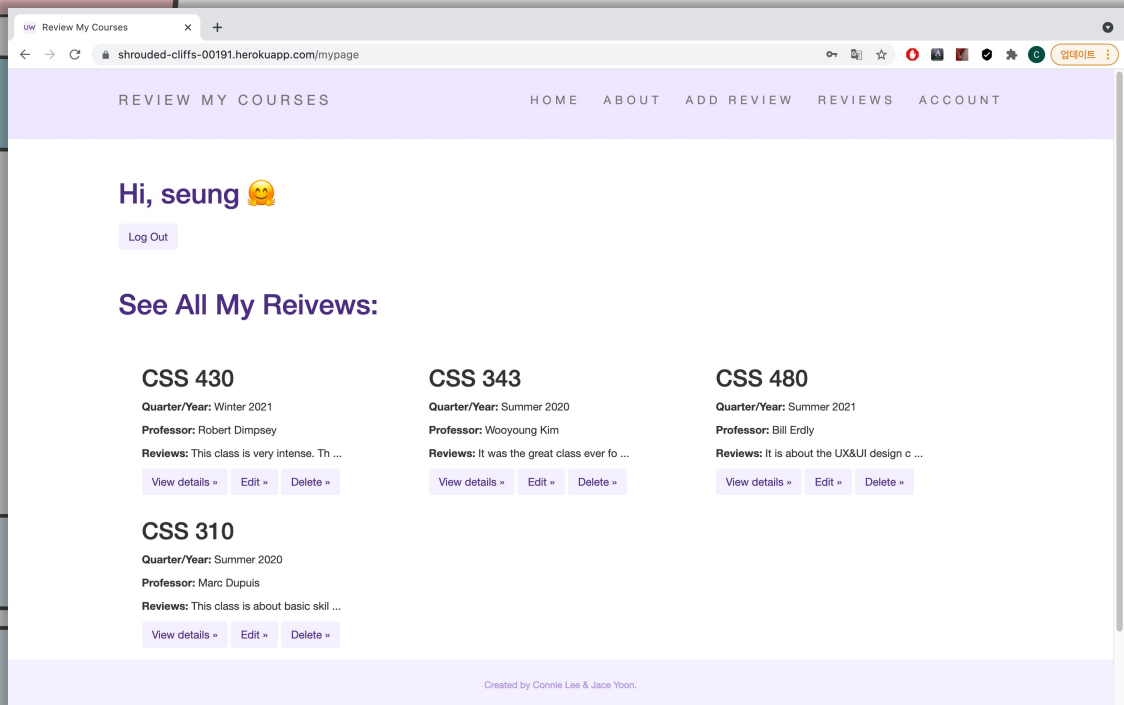
Style

```
<div class=  
"col-xs-6 col-lg-4">  
...</div>
```

MyPage



Details



MyPage

Log Out

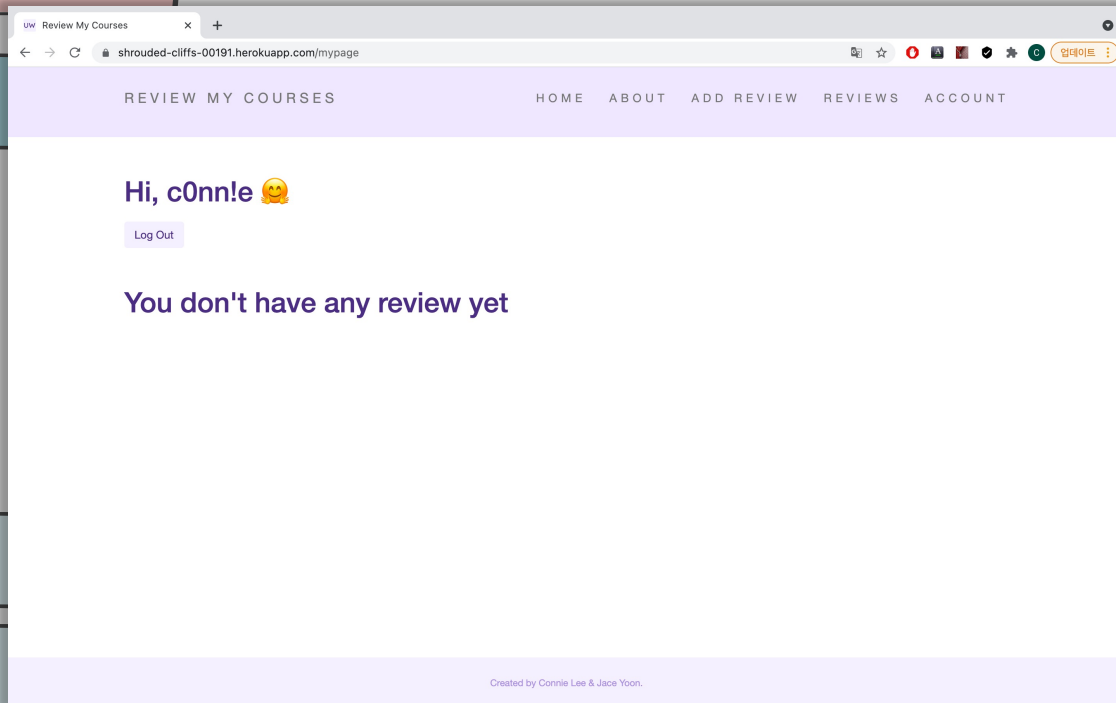
Check my reviews

forEach
substring(0, 30)

Style

```
<div class=
"col-xs-6 col-lg-4">
...</div>
```

MyPage



Details

MyPage

Log Out

Check my reviews

forEach
substring(0, 30)

Style

```
<div class=
"col-xs-6 col-lg-4">
...</div>
```

Account



Details

Sign In

```
<form method="post" ...  
>...</form>
```

```
<input type="text" ... >
```

```
<input type="password" ... >
```

```
<button type="submit" ...>  
...</button>
```

```
<a href="/register" ... >...</a>
```

Style

class="box"

max-width, margin,
background, border-
radius, box-shadow

Account



Details

Sign Up

```
<form method="post" ...  
...></form>
```

```
<input type="text" ... >
```

```
<input type="password" ... >
```

```
<button type="submit" ...>  
...</button>
```

```
<a href="/account" ... >...</a>
```

Style

class="box"

max-width, margin,
background, border-
radius, box-shadow

Account



Details

Sign Up

```
<form method="post" ...  
...</form>
```

```
<input type="text" ... >  
<input type="password" ... >
```

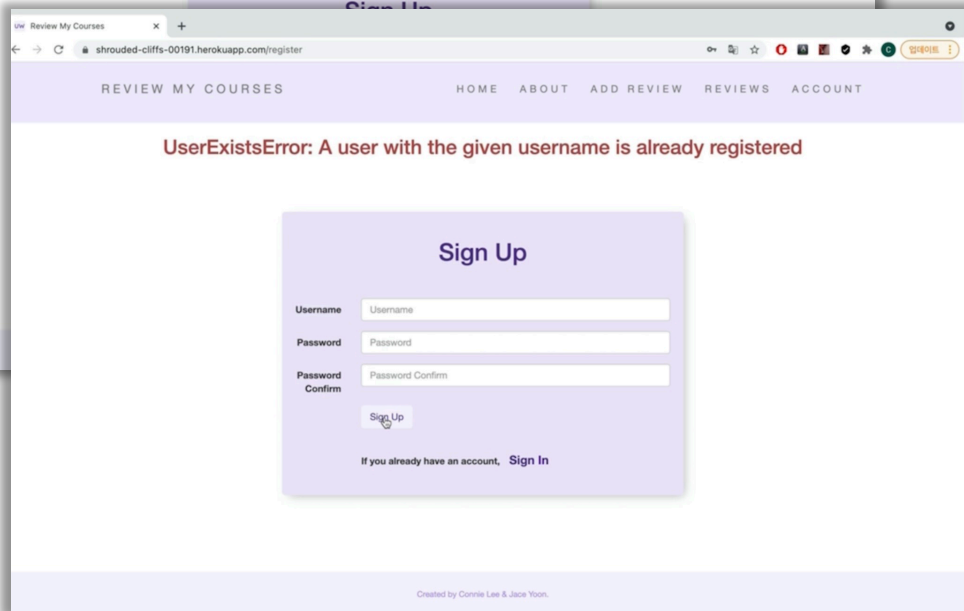
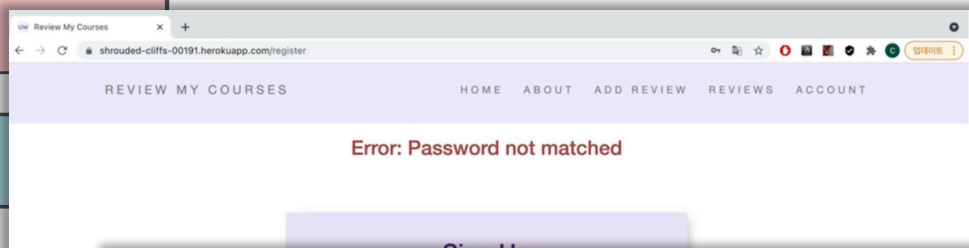
```
<button type="submit" ...>  
...</button>
```

```
<a href="/account" ... >...</a>
```

Style

class="box"

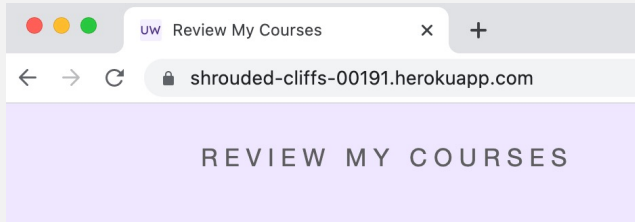
```
<h2 class="text-danger text-center"><%=errorMsg%></h2>
```



More...



Details



Header

navbar (Bootstrap)
favicon

Reviews: This class is about basic skill ...

View details »

Edit »

Delete »

Reviews: This class is about basic skill ...

View details »

Edit »

Delete »

Buttons

.btn:hover {...}

MongoDB Atlas



Deploy

×

Connect to Cluster0


✓ Setup connection security

Choose a connection method

Connect


Choose a connection method [View documentation](#)

Get your pre-formatted connection string by selecting your tool below.




Connect with the MongoDB Shell
Interact with your cluster using MongoDB's interactive Javascript interface

>



Connect your application
Connect your application to your cluster using MongoDB's native drivers

>



Connect using MongoDB Compass
Explore, modify, and visualize your data with MongoDB's GUI

>

Go Back

Close

MongoDB Atlas



Deploy

Connect to Cluster0

✓ Setup connection security > ✓ Choose a connection method > Connect

1 Select your driver and version

DRIVER

Node.js

VERSION

3.7 or later

2 Add your connection string into your application code

☐ Include full driver code example

```
mongodb+srv://admin-connie:<password>@cluster0.y5dci.mongodb.net/myFirstDatabase?  
retryWrites=true&w=majority
```

Replace **<password>** with the password for the **admin-connie** user. Replace **myFirstDatabase** with the name of the database that connections will use by default. Ensure any option params are [URI encoded](#).

Having trouble connecting? [View our troubleshooting document](#)

Go Back

Close

```
mongoose.connect("mongodb+srv://admin-connie:  
[REDACTED]@cluster0.y5dci.mongodb.net/cour  
seDB", { useNewUrlParser: true });
```

MongoDB Atlas



Deploy

Install the Heroku CLI

Download and install the [Heroku CLI](#).

If you haven't already, log in to your Heroku account and follow the prompts to create a new SSH public key.

```
$ heroku login
```

Clone the repository

Use Git to clone shrouded-cliffs-00191's source code to your local machine.

```
$ heroku git:clone -a shrouded-cliffs-00191  
$ cd shrouded-cliffs-00191
```

Deploy your changes

Make some changes to the code you just cloned and deploy them to Heroku using Git.

```
$ git add .  
$ git commit -am "make it better"  
$ git push heroku master
```



Thanks to



