Cloud Computing - CS6065
Project#1: AWS

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1. EC2 Instance

ec2-52-15-34-16.us-east-2.compute.amazonaws.com

Instance summary for i-0dc501a4338d84f2d Info

Updated less than a minute ago

C	Connect	Instance state ▼

Instance ID
📋 i-0dc501a4338d84f2d

Public IPv4 address
📋 ‾‾‾‾‾‾‾‾‾‾‾

Private IPv4 addresses
📋 ‾‾‾‾‾‾‾‾‾‾

Instance state
⊘ Running

Public IPv4 DNS
📋 ec2-52-15-34-16.us-east-2.compute.amazonaws.com | open address 🗗

Private IPv4 DNS
📋 i-‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾

Instance type
t2.micro

Elastic IP addresses
–

VPC ID
📋 ‾‾‾‾‾‾‾ 🗗

AWS Compute Optimizer finding
ⓘ Opt-in to AWS Compute Optimizer for recommendations. | Learn more 🗗

IAM Role
–

Subnet ID
📋 ‾‾‾‾‾‾‾‾‾‾ 🗗

2. Web Server Configured

LAMP (Linux, Apache, MySQL(MariaDB), PHP)

3. Register Page:

- Takes ***Username, Password, Repeat Password (for confirmation), First Name, Last Name, Email, Text File(.txt)*** as input and stores in mariadb. Missing of any value will throw an invalid feed in-order to fill the field. Also checks password confirmation and if User Name already exist or not for successful registration. Also throws invalid feedback when other extension files excluding .txt are uploaded.

Enter Username

Password

Enter Password

! Please fill out this field.

Register

Please fill in this form to create an account.

Username

JohnnyDepp

Password

··········

Repeat Password

··········

First Name

Johnny

Last Name

Depp

First Name

Johnny

Last Name

Depp

Email

jd1@gmail.com

Upload a file (.txt extension file only) : [Choose File] A.txt

Register

Already have an account? Sign in.

4. Signin Page

- Takes *Username* and *Password* and checks authenticates if they match with the results in mariadb. If they match it will redirect to display user details and file uploaded with word count in it. If it doeesn't match it will throw a invalid feedback message.

Sign in

Please fill in this form to sign in to your account.

Username

Enter Username

Password

Enter Password

Sign in

UserName or Password is in-correct

Sign in

Please fill in this form to sign in to your account.

Username

JohnnyDepp

Password

··········

Sign in

Need to create an account? Sign up.

5. UserDetails page

- User details page shows the user details (*firstname, lastname, email*) taken during the time of registration along with the *file name* and *file uploaded to view and download*. Also *displays the count of words in the file*.
- *Signoff* button or *browser back* destroys the user session and redirects to login page.

Welcome JohnnyDepp !! Now you are logged in

Number of words in your file : 150

firstname	lastname	email
Johnny	Depp	jd1@gmail.com

File Name	View	Download
A.txt	View	Download

SignOff

Welcome JohnnyDepp !! Now you are logged in

Number of words in your file : 150

firstname	lastname	email
Johnny	Depp	jd1@gmail.com

File Name	View	Download
A.txt	View	Download

SignOff

6. Validation of word count

- Validated word count against online word counter websites and it matches exactly for my test suit.

A.txt

Welcome JohnnyDepp !! Now you are logged in

Number of words in your file : <mark>150</mark>

firstname	lastname	email
Johnny	Depp	jd1@gmail.com

File Name	View	Download
A.txt	View	Download

SignOff

[Words: 150, Characters: 895]

Requirements:

Launch an EC2 instance (any platform accepted but should be accessible through the internet). (Points: 2)
Configure web server (any variation, but help is available for limited variations). (Points: 3)
Design an interactive web page to do the following: (Points: 5, broken as follows)
Create a registration page with (store it): (Points: 1/5)
Username
Password
Accept users basic details (store it): (Points: 1/5)
First name
Last name
Email
Upon submission redirect to next page (Points: 1/5)
Display information accepted in step 3b
Should ask for username and password to retrieve user information. (Points: 2/5)

Full Screen