Task 6.1HD DevLink Marketplace Web Application

Submitted By:
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Tutor:
Azadeh GHARI NEIAT

Outcome	Weight
Unit Learning Outcome 1	◆◆◆◇◇
Unit Learning Outcome 2	◆◆◆◆◆
Unit Learning Outcome 3	◆◆◇◇◇
Unit Learning Outcome 4	◆◆◆◇◇

My HD app:

October 10, 2023

SIT313 - Full-Stack Development: Secure Frontend Applications

High Distinction Task: DevLink Marketplace

Developed Features and Advanced concepts:

I have created a user-friendly job posting and job-seeking website and accurately designed its features and aesthetics. The notable features I've incorporated and developed are:

1. **Two-Factor Authentication (2FA):** Users have the option to enable Two-factor authorisation during account creation, enhancing their account security. They can easily manage this setting on their profile page after logging in. Two-factor authorisation operates through email, sending a 6-digit code to the user's email address, which they must input during the login process.

2. **Password Reset Functionality:** I've added a password reset feature on the login page, simplifying the process for users to regain access to their accounts. It sends a password reset link to the user's email.

3. **Messaging System:** A messaging feature has been introduced on the homepage, enabling users to communicate with each other, ask questions, and engage in discussions.

4. **Personalized Profile Page:** Users' profiles are personalized with their names and email addresses. They can also modify their names and turn on or off the two-factor authorisation feature in the profile settings.

5. **Unique Design:** The website features a unique design with custom CSS files to give it a distinctive look and feel. All links are functional, and staff and customer cards have been relocated to the "Find Dev" link in the navigation bar for improved visibility.

6. **User Navigation Enhancements:** When users are logged in, their email is displayed in the navigation bar, and the "Login" and "Create Account" links are replaced with a "Profile" link. Users can log out by clicking the "Logout" button within their profile page. The email address, stored in local storage, persists across page refreshes and transitions. It reverts to the "Login" and "Create Account" links only when users log out.

7. **Payment Validation for Job Posting:** An enhancement has been made to the payment process when users want to post a job. The "Post Job" link is visible on the homepage, taking users to the job posting page. In previous tasks, a "Pay" button has been integrated into the job posting section. Now, users must complete the payment process before they can submit a job posting. The payment portal verifies the accuracy of card details, and users can return to the job posting page only after a successful payment. Their previously entered information is preserved through local storage, streamlining the process of submitting a job posting.

These improvements collectively enhance the usability, security, and functionality of the website, providing a seamless experience for both job posters and job seekers.

Advanced Concepts:

1. **Authentication and Security:** Implementation of 2FA and password reset functionalities demonstrates a strong understanding of authentication and security in web applications.
2. **Real-time Messaging:** The messaging system showcases real-time communication capabilities, highlighting proficiency in data management and React's real-time updating features.
3. **Local Storage Management:** The use of local storage for persisting user data and job data across page transitions exhibits expertise in handling client-side data storage.
4. **Payment Integration:** Integration of payment processing demonstrates advanced skills in handling third-party APIs and secure transactions.
5. **Responsive Design:** The custom CSS and design choices indicate mastery of responsive web design principles, ensuring a seamless user experience across devices.
6. **User Experience Enhancement:** User-centric improvements such as dynamic navigation and streamlined workflows reflect a commitment to improving user experience.

In addition, in server.js:

1. **Email Sending:** I've integrated the SendGrid service (**sgMail**) to send emails. This is used for sending welcome emails and 2FA code emails to users.
2. **Two-Factor Authentication (2FA):** I've implemented a 2FA feature where users can enable it by receiving a verification code via email.
3. **Payment Integration:** I've integrated Stripe for handling payments, allowing users to make payments for specific actions on the website.

Other concepts:

Error Handling: I've also implemented error handling with appropriate status codes and error messages in case of failed operations.
Comments and Documentation: My code includes comments that explain the purpose of functions, routes, and sections of code, making it more understandable for other developers and future reference.

It is noticeable that I mentioned and commented out sections of code related to AI chatbot integration and real-time chat. While not implemented in this task due to browser security issues, these sections indicate future development plans.

The website offers a range of user-friendly features, from security enhancements like 2FA and password reset to real-time messaging and personalized profiles. The unique design, payment integration, and improved navigation contribute to an enhanced user experience. These advanced concepts demonstrate proficiency in React and a clear understanding of web application development principles.

GitHub Program Link:
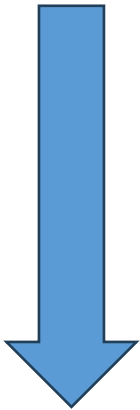
https://github.com/Negpkr/SIT313_my_hd_webpage-main-.git

Deakin Air Video Link:

https://video.deakin.edu.au/media/t/1_rtkritds

Heroku Link:

https://myhdwebpage-4ed7ee5de4de.herokuapp.com/

Screenshots:

Home Page:

🔔

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With 250 million** people visiting Indeed every month, we give your growing business access to qualified talent to make the right hire. Try Indeed today and find the right fit for your open positions.

💡

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For Dev: ### For Clients: ### Stay Connected

How it works   How it works

How to create a profile   How to post a job

Find jobs   How to post a job

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Featured Freelancers

Negin Pak

Frontend Developer

⭐ 4.5

Sam Robinson

UI/UX Designer

⭐ 4

Alex Johnson

Android App Expert

⭐ 4.3

See More

Featured Customers

Nima Pak

Frontend Developement services

⭐ 4.5

Nima Pak

Frontend Developement services

⭐ 4.5

kim smith

UI/UX Design services

⭐ 4

See all customers

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Jane Smith

Skilled Java Developer

⭐ 4.5

Sophie Sadr

Experienced React Developer

⭐ 5

john Doe

iOS App Developer

⭐ 4

See Less

Featured Customers

Create Account:

Create a DevLink Account

Name

Email

Password

Confirm password

Enable Two Factor Authorisation!
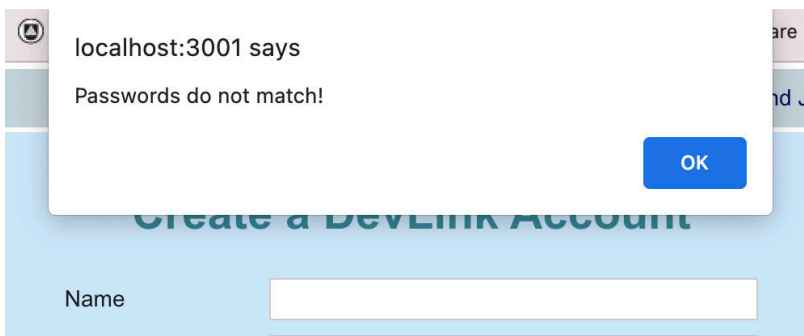
Sign Up

For Dev:

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How to create a profile

Find jobs

For Clients:

How it works

How to post a job

How to post a job

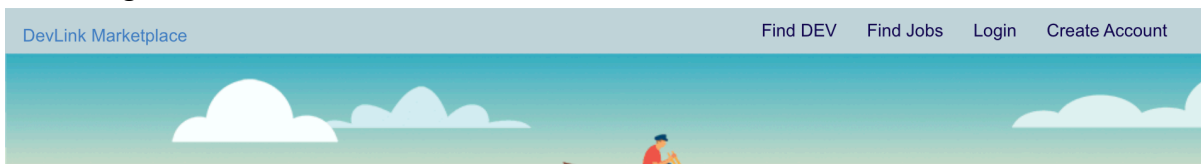### Stay Connected

DEVLink
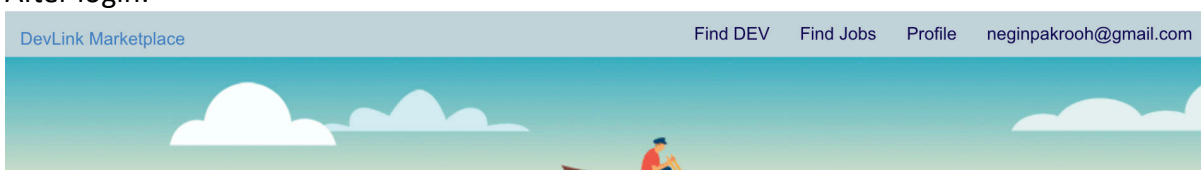
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localhost:3001 says

Passwords do not match!

OK

Create a DevLink Account

Name

Before login:

After login:

Login Page (Two-Factor Authorisation is disabled):

DevLink Marketplace   Find DEV   Find Jobs   Login   Create Account

Login to DevLink Account

Your email   neginpakrooh@gmail.com

Your password   ••••••••

Login   Login with Google

Forget Password   Sign Up

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Find jobs   How to post a job

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After clicking on the "Forget Password" button:

Login   Login with Google

Password reset email sent successfully.

Reset your password for project-665282681025

Inbox ×

noreply@sit313-mywebapp.firebaseapp.com   7:15 AM (0 minutes ago)

to me

Hello,

Follow this link to reset your project-665282681025 password for your neginpakrooh@gmail.com account.

https://sit313-mywebapp.firebaseapp.com/__/auth/action?mode=resetPassword&oobCode=kVWRb40j9MWicOCUDOY8wROfCm-u-oZiP--tmBUEeBYAAAGLFhSKxg&apiKey=AIzaSyDg62fHOeKPJz_OyzflQVCqwNL3aqFWVsE&lang=en

If you didn't ask to reset your password, you can ignore this email.

Thanks,

Profile Page:

Hello Negin pak!
Welcome to your Profile!

Account Details:

Email Address: neginpakrooh@gmail.com

Change Name:

[   ]

[Change]

⬤ **Enable Two Factor Authorisation!**

[Logout]

For Dev:	**For Clients:**	**Stay Connected**
How it works	How it works	🐦 📘 📷

Changing the name:

Hello Negin Pakrooh!
Welcome to your Profile!

Account Details:

Email Address: neginpakrooh@gmail.com

Change Name:

[Negin Pakrooh   ]

[Change]

⬤ **Enable Two Factor Authorisation!**

Name changed successfully!

[Logout]

Enabling the Two_Factor Authorisation feature:

Hello Negin Pakrooh!

Welcome to your Profile!

Account Details:

Email Address: neginpakrooh@gmail.com

Change Name:

[   ]

[Change]

🔵⚪ **Disable Two Factor Authorisation!**

Two-Factor Authorisation status changed successfully!

[Logout]

Login Page (Two-Factor Authorisation is enabled from the profile page):

DevLink Marketplace   Find DEV   Find Jobs   Login   Create Account

Login to DevLink Account

Your email   [neginpakrooh@gmail.com   ]
Your password   [••••••••   ]

[Login   Login with Google]

Two-Factor Authentication

[Get 6-digit code from Email]
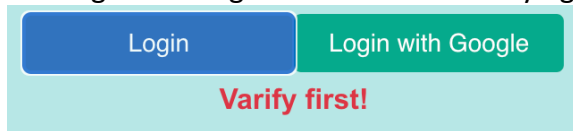
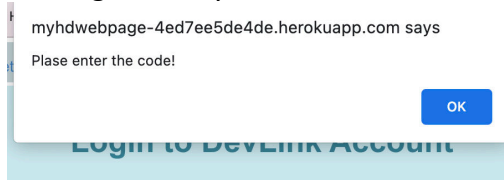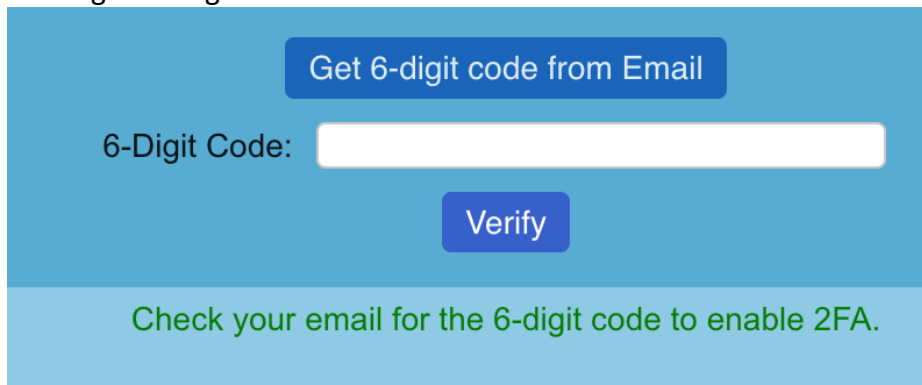6-Digit Code: [   ]

[Verify]

[Forget Password] [Sign Up]
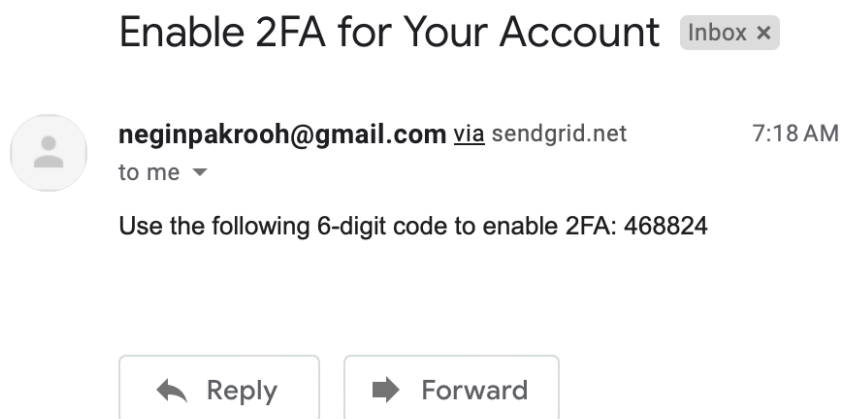
Clicking on the login button before verifying the code:

Login   Login with Google

Varify first!

Clicking on verify button before entering the code:

myhdwebpage-4ed7ee5de4de.herokuapp.com says

Plase enter the code!

OK

Login to DevLink Account

Clicking on the get code button:
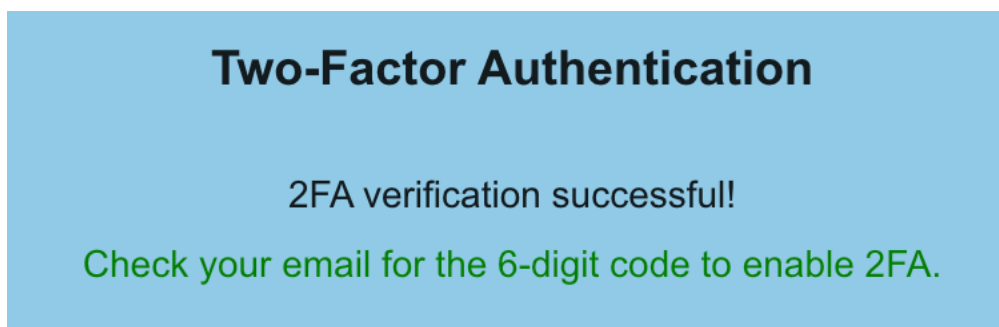
Get 6-digit code from Email

6-Digit Code:

Verify

Check your email for the 6-digit code to enable 2FA.

Now If we click on verify:

Enable 2FA for Your Account Inbox ×

neginpakrooh@gmail.com via sendgrid.net   7:18 AM
to me ▾

Use the following 6-digit code to enable 2FA: 468824

↩ Reply   ➡ Forward

Two-Factor Authentication

2FA verification successful!

Check your email for the 6-digit code to enable 2FA.

Find Jobs:

Job List

Search by job title

Backend developer

Programming, database management

Hide   Details

Database Manager

--==----==

database management

Hide   Details

Front-end developer

----

html, css

Hide   Details

See More

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Job List

Search by job title

Backend developer

Programming, database management

Hide   Details

Database Manager

--==----==

database management

Hide   Details

Front-end developer

----

html, css

Hide   Details

programmer

----

peogramming

Hide   Details

Web developer

....

Programming

Hide   Details

See Less

Clicking on Details:

Sea

Backend developer

\----------------------

Programming, database
management

Payment: $ - $

Length: 2 months

Working Hour:

Experience: years

Experience Min: years

See Image

Hide   Details

Database Manager

--==----==

database management

Hide   Details

Fron

Hiding Jobs:

Job List

Search by job title

Backend developer

\----------------------

Programming, database management

Payment: $ - $

Length: 2 months

Working Hour:

Experience: years

Experience Min: years

See Image

Hide   Details

Database Manager

--==----==

database management

Hide   Details

programmer

----

peogramming

Hide   Details

See Less

Searching Feature:

Job List

Ba

Backend developer

\----------------------

Programming, database management

Hide   Details

Database Manager

--==----==

database management

Hide   Details

See More

Post Job Page:

Post a Job!

Page:

Job Posting Page

New Job

Select Job Type: Freelance   **Employment**

Describe your job

Title / Position

Job description

Skills

> Please add skills that your job is required

"Developers will find your job based on the skills you added here."

Project Conditions

Project length   e.g. 3 months

Payment   **Min**   Min amount   **Max**   Max amount

Working hours   e.g. 40 hours per week

Add an Image   Choose file   No file chosen

Upload

Experience

Experienced in   relative experience

For at least   e.g. 3 months/years

Pay

Post

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Freelance part:

New Job

Select Job Type: [Freelance] [Employment]

Describe your job

Title / Position [   ]

Job description [   ]

Skills [Please add skills that your job is required]

'Developers will find your job based on the skills you added here."

Project Conditions

Project length [e.g. 3 months]

Payment **Min** [Min amount] **Max** [Max amount]

Working hours [e.g. 40 hours per week]

Add an Image [Choose file] No file chosen

[Upload]

[**Post**]

Payment Page:

DevLink Marketplace   Find DEV   Find Jobs   Login   Create Account

Payment Portal

Notice: The payment amount for posting each job is $10!

Please Enter Your Card details:

[💳 Card number   Autofill link]

[**Pay**]

If you can not see successful message, your payment has been failed!

In case of unsuccessful payment! please try with another card or try again later!

Thank You!

After successful payment:

Payment Portal

Notice: The payment amount for posting each job is $10!

Please Enter Your Card details:

| 5⬛⬛⬛⬛⬛⬛82 | 11 / 29 | 111 |

Pay

Your Payment Was successful!
Return to Post Job Page!

For Dev: For Clients: Stay Connected

dashboard.stripe.com/test/events:

Developers

Overview   API keys   Webhooks   **Events**   Logs   Apps

EVENT	ID
A new payment pi_3Nya4gF8kDqVCryj2caSdRKu for $10.00 AUD was created	evt_3Nya4gF8kDqVCryj2gr6kyFw
A new payment pi_3NyZ7rF8kDqVCryj2k06AIXi for $10.00 AUD was created	evt_3NyZ7rF8kDqVCryj2J4RoGeA
A new payment pi_3NyYs9F8kDqVCryj1cMbjmDd for $10.00 AUD was created	evt_3NyYs9F8kDqVCryj1Ql4eTtX
A new payment pi_3NyYKcF8kDqVCryj05XM6FNT for $10.00 AUD was created	evt_3NyYKcF8kDqVCryj0wWtUgfe
A new payment pi_3NyYCXF8kDqVCryj0t9xVFg9 for $10.00 AUD was created	evt_3NyYCXF8kDqVCryj0ejVSzrD

Chat Page:

Chat with us

Before login:

Communication

Please sign in to use secure communication features.

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How to create a profile	How to post a job	
Find jobs	How to post a job	

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After login:

Communication

| Type your message... | Send |

Hello

hii

How are You?

hanacruz3500@gmail.comHelloooooo

hanacruz3500@gmail.comhii

Hello

hanacruz3500@gmail.comCan I ask a Q?

hanacruz3500@gmail.comHello

hanacruz3500@gmail.comI have an issue related to payment!

hanacruz3500@gmail.comHello

hanacruz3500@gmail.comHi How can I help You?

Hello

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How it works

How to create a profile

Find jobs

For Clients:

How it works

How to post a job

How to post a job

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