

# CSTP 2204 IT Development Project

VCC Co-op Website

**Submitted By:**

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# User Documentation

## Landing page

This page is the student landing page that would be connected to Vancouver community colleges home page. You can find a welcoming YouTube video talking about VCC, links to different school resources, student testimonials, commitments from the school, and logging into your account. There are certain links to the job postings and company job forms where you will need access to view.

The screenshot shows the homepage of Vancouver Community College. At the top, there's a dark green header with the college's name and a navigation menu. Below the header, a large banner features the text "People who care about your growth". To the right of this text is a detailed description of the VCC Co-op program. Below the banner is a video player showing a virtual tour of the downtown campus. Further down, there's a section titled "Why join the co-operative education?" with a list of benefits. At the bottom, there are two call-to-action boxes: one for "Job postings" and one for "Company Job Form".

Vancouver Community College

Home Programs and Courses Job Postings Company Job Form Login ➔

**People who care about your growth**

The VCC Co-op program provides post-secondary students with a work placement in the Canadian workforce that allows them to explore the tech sector and expand their skills and competencies by working on projects that augment their field of study.

Explore more ➔

**VCC Downtown**

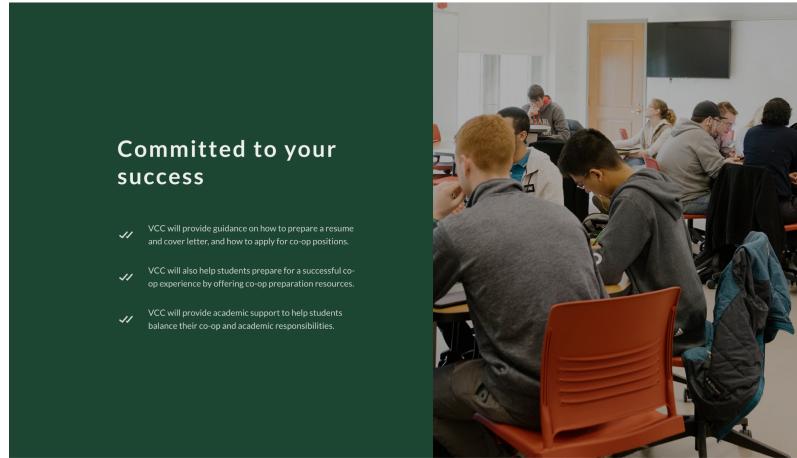
Benefits of Co-operative Education include: Gain practical work experience in areas that complement your personal strengths, interests and educational needs. Discover new personal strengths and skills. Actively learn and thrive as a responsible team member in the "real world" in an area chosen by you.

**Job postings**  
This is your pathway to a great co op adventure and journey!

Explore more ➔

**Company Job Form**  
Companies looking for a co op or alumni student? Post your job here!

Explore more ➔



## How does CO-OP work?



### Career Services

VCC offers a variety of career services to help students prepare for and navigate the job market. These services may include career counseling, job search assistance, resume and cover letter reviews, interview coaching, networking opportunities, and access to job postings and career fairs.



### Resume building

A resume is an important tool for your job search as it offers a page or two where you can display your relevant skills and qualities for a job. Resumes help employers make hiring decisions and help you get your first interview. That's why it matters how you structure your resume and what information you decide to include.



### Job Postings

Companies that are interested in hiring co-op students will usually post job listings on various job boards or their own company website, specifying the requirements for the position, such as the skills and qualifications necessary. Co-op students can then apply for these positions by submitting their resume and cover letter, and if they meet the requirements, they may be invited

## The students have spoken

 Dan Abramov  
Student at VCC CST

I'm currently in my second year at Vancouver community college and I'm currently preparing to join the workforce. With this CST job board I was able to find the resources needed to boost my career goals and be able to find different avenues for my career development.

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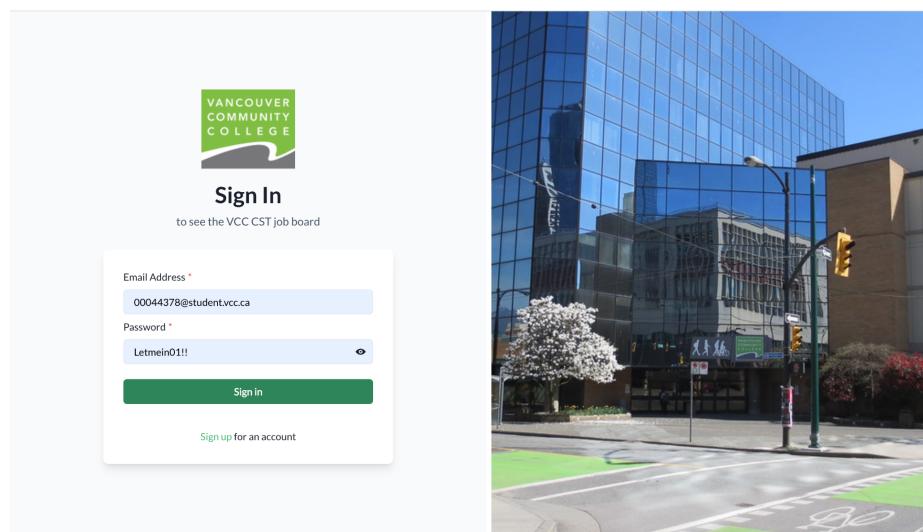
I'm currently in my second year at Vancouver community college and I'm currently preparing to join the workforce. With this CST job board I was able to find the resources needed to boost my career goals and be able to find different avenues for my career development.

**Want to take the next step in your Career?  
Join the VCC Co op**

Get in touch 

## Login

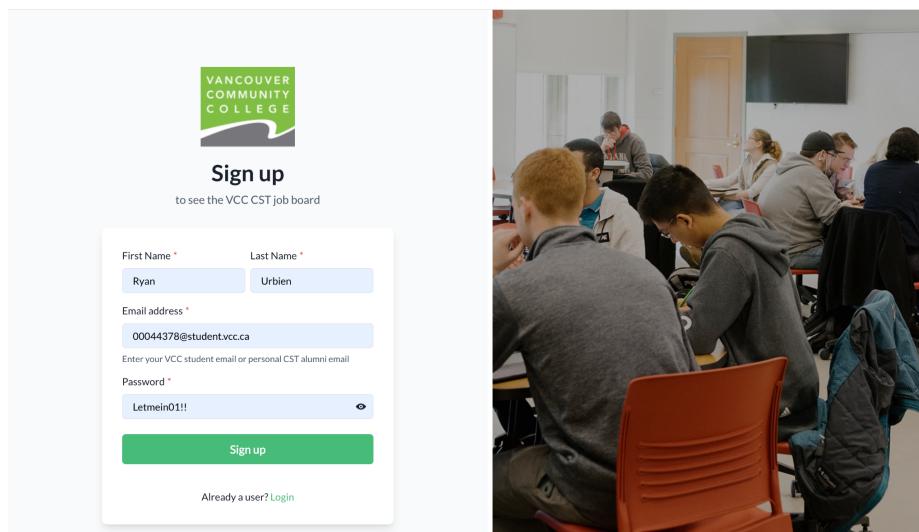
By clicking the login on the top of the VCC co-op homepage you will be directed to a login page where you will need to sign in with your school email ex. [000444111@student.vcc.ca](mailto:000444111@student.vcc.ca) and for the password field it would need to contain a 10 ten digit password including at least 1 uppercase character, lowercase, and at least 1 special case character ( i.e. !@#\$%^&()&\_/. )



The image shows the VCC Sign In page on the left, featuring the college's logo and a "Sign In" button. To the right is a photograph of a modern glass building, likely the Vancouver Community College building, with a street view and traffic lights in the foreground.

## Sign up

By clicking on the signup button on the bottom of the login page you will be directed towards a signup page where you will need to sign up with a first name, last name, your school email ex. [000444111@student.vcc.ca](mailto:000444111@student.vcc.ca) and for the password field it would need to contain a 10 ten digit password including at least 1 uppercase character, lowercase, and at least 1 special case character ( i.e. !@#\$%^&()&\_/. )



The image shows the VCC Sign up page on the left, featuring fields for First Name, Last Name, Email address, and Password, along with a "Sign up" button. To the right is a photograph of students sitting at desks in a classroom setting, focused on their work.

## Student home page

On this page you will find different resource links for student co-op and career resources as well as job posting cards that contain the latest job postings from Vancouver community college. You're also able to find your saved jobs and search for jobs that were posted.

The screenshot shows the VCC Co-op student home page. At the top, there's a navigation bar with the VCC logo, 'HOME', 'EXPLORE JOBS', 'STUDENT PROJECTS', 'MY JOBS', and a profile icon with the letter 'R'. Below the navigation is a large image of students working in a classroom. Overlaid on this image is the text 'VCC Co-op' and a caption: 'This is a caption that'll describe what the VCC Co-op Page is supposed to offer for students'. To the left of the main content area is a dark grey sidebar with a rounded bottom-left corner containing the 'Learning Centre' logo and text: 'The Learning Centre is here to support you in preparing to apply for a job >'. Below this is a horizontal line. To the right of the sidebar is a white box titled 'Latest Jobs' containing two job cards:

- Amazon Burnaby**  
Amazon Developer  
Contracted
- Apple Vancouver**  
Apple Developer  
Seasonal

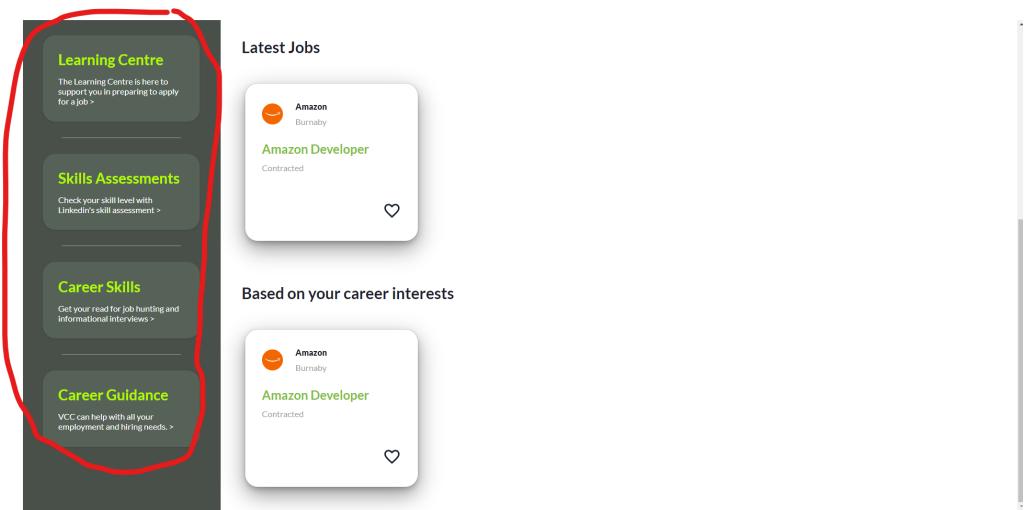
## Sign out

If you click on the top right logo of your first initial or a profile image that you've set, you will be able to sign out of your account and be taken back to the initial landing page for Vancouver community college.

This screenshot shows the same VCC Co-op student home page as the previous one, but with a 'Sign out' button visible in the top right corner of the main content area. The rest of the page, including the navigation bar, classroom image, Learning Centre sidebar, and Latest Jobs section, remains the same.

## Resources Sidebar

On the side nav bar there are hyperlinks that when you click on them they will send you to external pages for Vancouver community colleges co – op career centre, resume building workshops, and library. There is also a link that will connect you to LinkedIn's skill assessment page where you can take a test to assess your coding skills in various languages.



## Latest Jobs

On the image below, on the right side displays the cards that have recently been added or created by the Admin. It only displays up to three cards.

## Job cards

Clicking on the cards which can be found on the job posting page will allow you to view job posting information such as company name, job type ( Full time, Part time, Hybrid, and Co op), job description, location, and skill tags.

## Latest Jobs



Amazon  
Burnaby

**Amazon Developer**  
Contracted





Apple  
Vancouver

**Apple Developer**  
Seasonal



## Based on your career interests



Amazon  
Burnaby

**Amazon Developer**  
Contracted





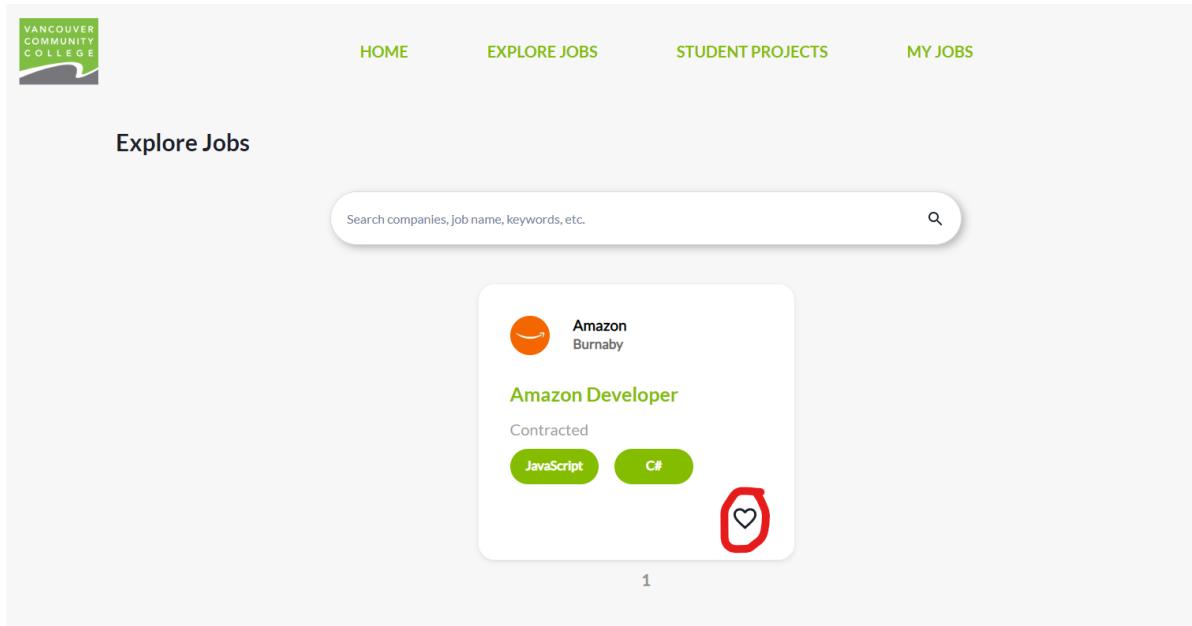
Apple  
Vancouver

**Apple Developer**  
Seasonal



## How to favourite job postings

By clicking the heart on the job posting cards you will be able to save your job postings that you viewed and it will be saved on your my jobs tab to view.



VANCOUVER COMMUNITY COLLEGE

HOME EXPLORE JOBS STUDENT PROJECTS MY JOBS

Explore Jobs

Search companies, job name, keywords, etc. 

**Amazon**  
Burnaby

**Amazon Developer**  
Contracted

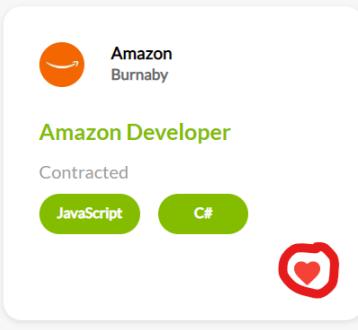
JavaScript C# 

1

## How to unfavorite job postings

By unclicking the heart on a job posting card it will take the job posting away from your favourites list at the bottom of the job postings home page as well as the my jobs page.

Saved Jobs

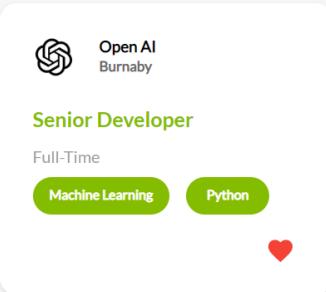


A job posting card for an Amazon Developer position in Burnaby, contracted role. The card includes the Amazon logo, job title, location, and contract type. It also shows skill tags for JavaScript and C#. A red heart icon is present, indicating it is favorited. The number '1' is displayed below the card.

## How to search for jobs

Typing any keyword into the search bar will populate the specific job postings related to that keyword and this can be viewed on either the student home page or the job postings page.

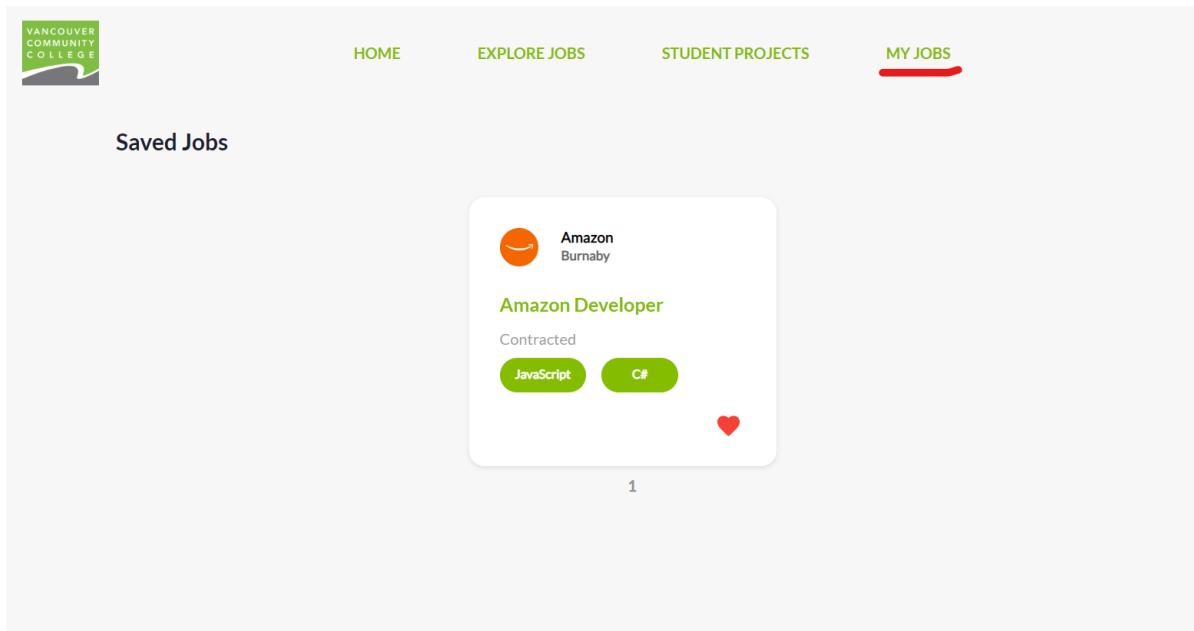
Explore Jobs



A job posting card for a Senior Developer position at Open AI in Burnaby, Full-Time role. The card includes the Open AI logo, job title, location, and contract type. It also shows skill tags for Machine Learning and Python. A red heart icon is present, indicating it is favorited. The number '1' is displayed below the card.

## How to view saved jobs

By clicking the my jobs tab at the top of the page you will be directed towards a page where you will find all your saved jobs that you clicked with the heart icon.



## How to view student projects

By clicking the students projects tab at the top you will be directed towards the students project page where it will contain all the previous projects that were created by students at Vancouver community college. To get your student project posted



HOME EXPLORE JOBS STUDENT PROJECTS MY JOBS

## Explore Projects

Search companies, job name, keywords, etc. 



**Give N Go**  
[give-n-go.vercel.app](https://give-n-go.vercel.app)  
Web app created by Alejandro and Lorenz  
for 1304 class!

1

please contact your student coordinator or the CST program head.

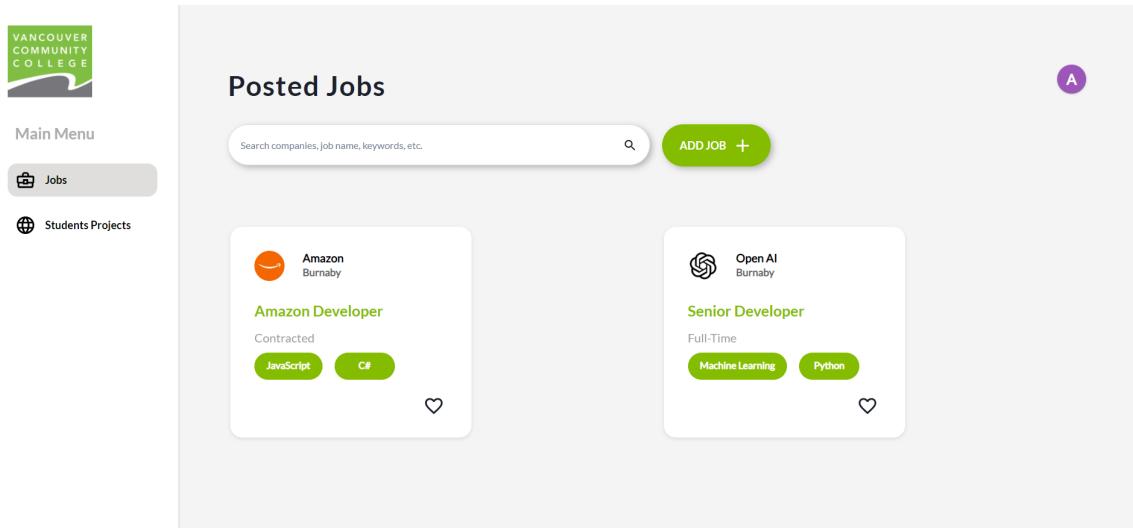
## Contacts

rnezami@vcc.ca  
[masantoro@vcc.ca](mailto:masantoro@vcc.ca)  
[ro@vcc.ca](mailto:ro@vcc.ca)

# Admin User Documentation

## Landing page

This page is the student landing page that would be connected to Vancouver community colleges home page. You can find a welcoming YouTube video talking about VCC, links to different school resources, student testimonials, commitments from the school, and logging into your account. There are certain links to the job postings and company job forms where you will need access to view.



## Login page

By clicking the login button at the top of the VCC co – op page you will be directed towards a login page where you will need to sign in with your provided admin email ex. [000444111@student.vcc.ca](mailto:000444111@student.vcc.ca) and for the password field it would need to contain a 10 ten digit password including at least 1 uppercase character, lowercase, and at least 1 special case character ( i.e. !@#\$%^\*()& )/. )

## **Sign Up**

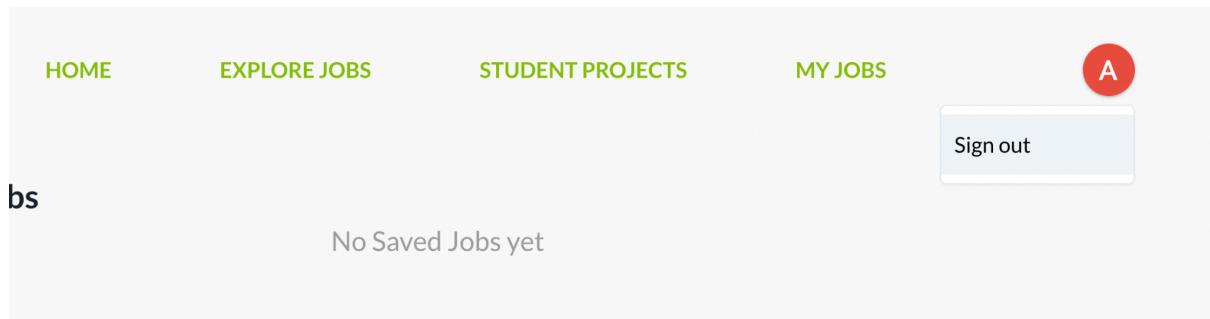
The admin account does not have its own page. An admin account can only be made using a REST api client tool (i.e. Insomnia). It needs “admin coop” as the email with an 8 character password including at least 1 uppercase character, lowercase, and at least 1 special case character ( i.e. !@#\$%^&()&\_/. ). It also needs to have the two keys inside the header that we defined in the env.

## **Student home page (needs update)**

On this page you will find different resource links for student co-op and career resources as well as job posting cards that contain the latest job postings from Vancouver community college. At the top navigation bar, you will be able to find company job posting forms where when you are emailed a job offer from a company for a student at VCC, you can post that information using the company job form tab. You will also find a student projects page where students can contact the admin to post information about their student project to be displayed on the website. Admins will also have access to an admin panel where they can post, edit, and delete company job posting, and student project data.

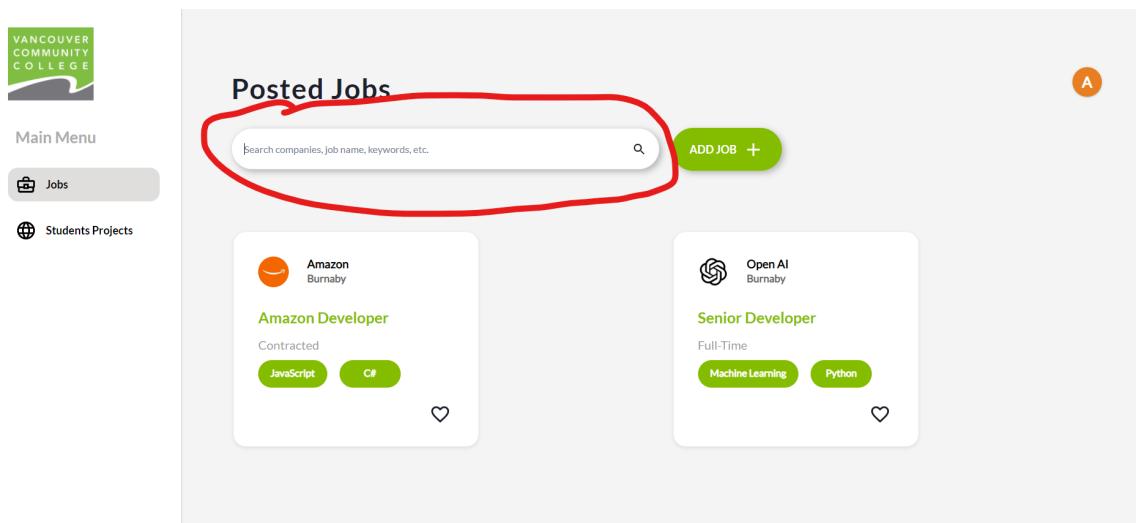
## **Sign out**

If you click on the top right logo of your first initial or a profile image that you've set, you will be able to sign out of your account and be taken back to the initial landing page for Vancouver community college.



## How to search for jobs

Typing any keyword into the search bar will populate the specific job postings related to that keyword and this can be viewed on either the student home page or the job postings page.



## How to post company jobs/projects (Needs update)

By clicking on the company job posting form, you will be taking through a step-by-step process of inputting information about the job offer that was received in your email. You can add information about the company name, (Full time, Part time, Hybrid, and Co op ), job description, location, and skill tags. The job posting form is a multi step process to input information which can be shown at the top. By clicking the pencil icon, admins can edit the information in certain fields on the form or by pressing the red X button to delete the form.

A screenshot of a multi-step job posting form. At the top, three tabs are visible: 'Step 1: Company Information' (selected and dark grey), 'Step 2: Job Information' (light grey), and 'Step 3: Confirmation' (light grey). Below the tabs, there's a large circular 'X' icon with a camera symbol inside it. The 'Step 1: Company Information' section contains several input fields with icons: 'Enter your company name' (document icon), 'Enter your contact email' (envelope icon), 'Enter your company link' (link icon), 'Enter your street address' (location pin icon), 'Enter your city' (map pin icon), 'Enter your postal code' (map pin icon), and a dropdown menu for 'BC'. At the bottom of this section is a large input field for 'Enter your Description' with a document icon.

## How to post student projects

On the VCC co-op landing page you can click the student projects tab which will redirect you to a form to post information about the students project. When the information on the students project form is fully submitted it will post the card on the student projects page which can be located on the VCC co-op landing page at the top under student projects tab.

Project Details Information

Enter Project Name

Enter Project Link

Enter Project Description

Submit

## How to edit job posting form information

By clicking the pencil icon admins can edit the information in certain fields on the form before submitting the form information.

VANCOUVER COMMUNITY COLLEGE

HOME EXPLORE JOBS STUDENT PROJECTS MY JOBS A

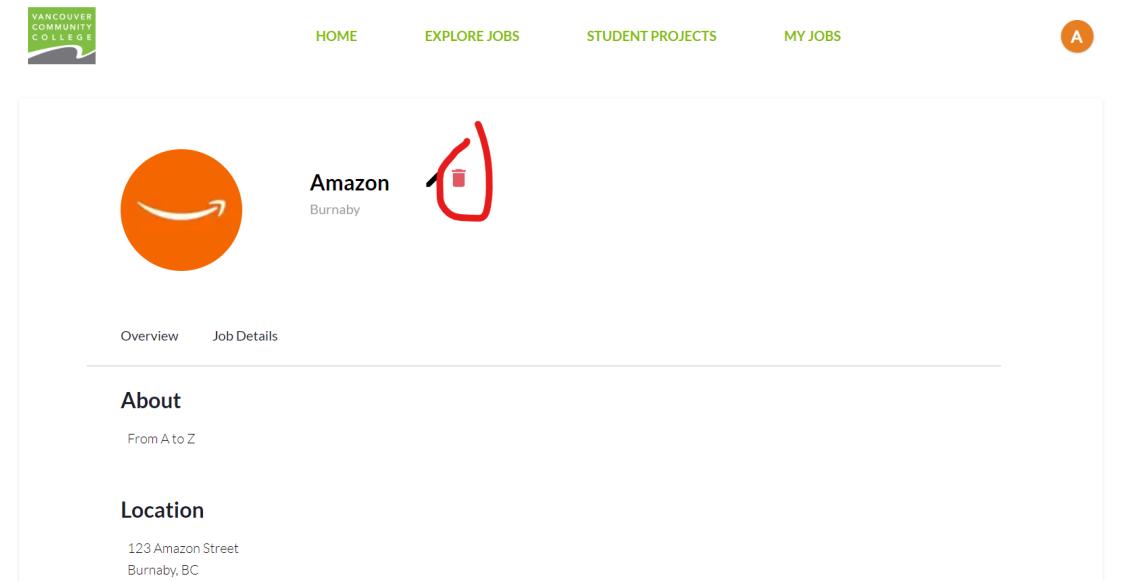
Amazon Burnaby

From A to Z

123 Amazon Street  
Burnaby, BC

## How to delete jobs on admin panel pages

By clicking the pencil icon on the top right of the form admins can delete the form.



## How to view admin panel

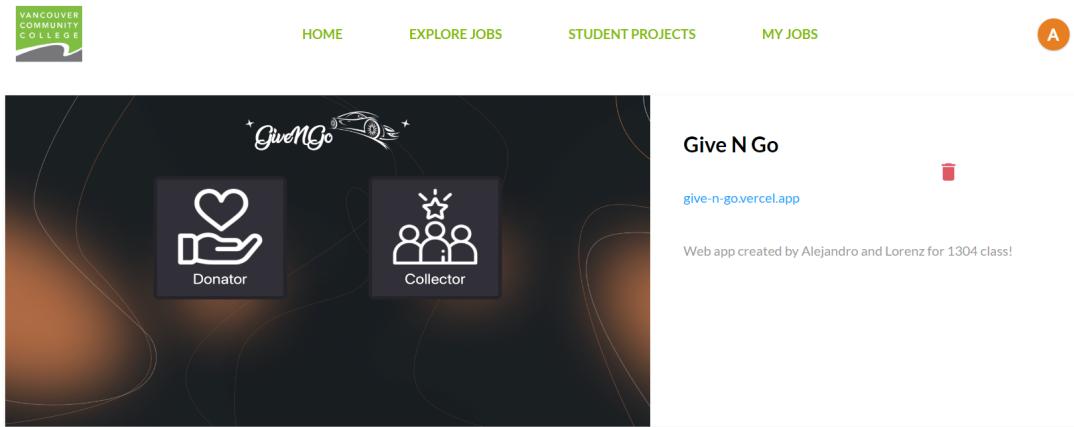
By clicking the admin panel tab at the top of the VCC co-op home page, you will be redirected to an admin panel page where you will have access to edit, and delete job posting information that have been already posted.

## Student home page

On this page you will find different resource links for student co-op and career resources as well as job posting cards that contain the latest job postings from Vancouver community college. You're also able to find your saved jobs and search for jobs that were posted.

## How to view student projects

By clicking the students projects tab at the top you will be directed towards the student's project page where it will contain all the previous projects that were created by students at Vancouver community college. To get your student project posted please contact your student coordinator or the CST program head.



## Contacts

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[ro@vcc.ca](mailto:ro@vcc.ca)

# Technical Documentation

## Technology Stack

The tech stack used in this project includes Next.js, React.js, TypeScript, MongoDB, Mongoose, Cloudinary, Chakra UI, and SASS. Next.js is a React-based framework for building server-side rendering web applications, while React is a popular JavaScript library for building user interfaces. TypeScript provides type checking, interfaces, classes, and other features to catch errors early in the development process. MongoDB is a NoSQL database that stores data in JSON-like documents, and Mongoose is a MongoDB object modelling tool designed to work in an asynchronous environment. Cloudinary is a cloud-based media management platform that provides tools to manage, optimize, and deliver images and videos. Chakra UI is a popular React component library that provides pre-built UI components that can be easily customised, and SASS is a CSS preprocessor that adds features like variables, nesting, and mixins to CSS. This tech stack provides a powerful set of tools to build scalable, performant, and maintainable web applications.

### **Next.js**

Next.js is a React-based framework for building server-side rendering (SSR) web applications. It provides developers with tools to create production-grade applications with a focus on performance, scalability, and ease of use. Next.js supports a wide range of features such as automatic code splitting, server-side rendering, static site generation, and more. It is built on top of React, which makes it easy to integrate with existing React projects.

### **React.js**

React is a popular JavaScript library for building user interfaces. It is developed and maintained by Facebook and has gained widespread adoption in recent years due to its performance, scalability, and ease of use. React uses a component-based architecture, which allows developers to break down complex UIs into smaller, reusable components. This makes it easier to manage and maintain large codebases.

## **TypeScript**

TypeScript is a strongly typed superset of JavaScript. It provides developers with type checking, interfaces, classes, and other features that are not available in plain JavaScript. TypeScript helps catch errors early in the development process and makes it easier to maintain large codebases.

## **MongoDB**

MongoDB is a NoSQL database that stores data in JSON-like documents. It is designed for scalability, performance, and ease of use. MongoDB is known for its flexibility, allowing developers to store and retrieve data in a variety of ways.

## **Mongoose**

Mongoose is a MongoDB object modelling tool designed to work in an asynchronous environment. It provides a straightforward, schema-based solution to model your application data. Mongoose also provides features like data validation, query building, and middleware support.

## **Cloudinary**

Cloudinary is a cloud-based media management platform that provides developers with tools to manage, optimize, and deliver images and videos. It supports a wide range of features such as image resizing, format conversion, optimization, and more.

## **ChakraUI**

Chakra UI is a popular React component library that provides developers with pre-built UI components that can be easily customised. It is built with accessibility and developer experience in mind, making it easy to create beautiful and accessible UIs.

## SASS

SASS is a CSS preprocessor that adds features like variables, nesting, and mixins to CSS. It makes it easier to write and maintain complex stylesheets, and provides a more efficient way to manage CSS code.

## Skeleton of files

```
|____.husky
| |____pre-commit
|____.next
| |____trace
| |____cache
| | |____swc
| | |____plugins
| | | |____v4
| | |____webpack
| |____server
| | |____pages
| | | |____error.js
| | | |____app.js
| | | |____index.js
| | | |____login.js
| | | |____api
| | | |____auth
| | | | |____[...nextauth].js
| | | |____document.js
| | |____middleware-build-manifest.js
| |____package.json
| |____static
| | |____development
| | | |____ssgManifest.js
| | | |____buildManifest.js
| | |____webpack
| | |____chunks
| | | |____webpack.js
| | | |____error.js
| | | |____amp.js
| | | |____polyfills.js
| | | |____main.js
| | | | |____node_modules_mui_icons-material_Menu_js.js
| | | |____react-refresh.js
| | |____pages
| | | |____error.js
```

```
|||||____app.js
|||||____index.js
|||||____login.js
|||____media
|____next-env.d.ts
|____public
|____favicon.ico
|____images
| |____stockimage2.jpg
| |____stockimage3.jpg
| |____stockimage1.jpg
| |____studentsBanner.png
| |____companyDefaultIcon.png
| |____imageplaceholder.png
| |____SchoolVCC2.jpg
| |____vcc.png
| |____thirteen.svg
| |____vercel.svg
| |____next.svg
|____.gitignore
|____package-lock.json
|____package.json
|____.env
|____tsconfig.json
|____documents
| |____GraphImplementation.pdf
| |____SkillGraphImplementation.pdf
| |____Presentation_recap_and_Milestone_Meeting.docx
| |____TechArtemisGraphImplementation.pptx
| |____Team_Artemis_Project_Plan.xlsx
|____.vscode
| |____settings.json
|____.eslintrc.json
|____src
| |____interface
| | |____Project.ts
| | |____Admin.ts
| | |____Location.ts
| | |____JobPosting.ts
| | |____User.ts
| |____backend
| | |____database
| | | |____ODM
| | | |____Project.ts
| | | |____Admin.ts
| | | |____JobPosting.ts
| | | |____User.ts
| | |____index.ts
```

```
|||____actions
|||____cloudinary
|||____index.ts
|||____admin
|||____index.ts
|||____jobPosting
|||____index.ts
|||____user
|||____index.ts
|||____project
|||____index.ts
|||____shared
|||____regex.ts
|||____stringCheck.ts
|||____cloudinary.ts
|||____axiosInstance.ts
|||____styles
|||____Index.module.sass
|||____displayJobs.module.sass
|||____globals.sass
|||____form.module.sass
|||____admin.module.sass
|||____components.Module.sass
|||____login.module.sass
|||____projectView.module.sass
|||____createProject.module.sass
|||____fonts
|||____Lato
|||____Home.module.sass
|||____JobPostings.module.sass
|||____components
|||____navbar.tsx
|||____projectCards.tsx
|||____CoopWorkMethodCard.tsx
|||____projectPagination.tsx
|||____eventCardComponent.tsx
|||____searchbar.tsx
|||____commitments.tsx
|||____testimonialsCard.tsx
|||____jobCardComponent.tsx
|||____footer.tsx
|||____JobPagination.tsx
|||____profile.tsx
|||____dropdown.tsx
|||____cards.tsx
|||____ErrorAlert.tsx
|||____header.tsx
|||____sidebar.tsx
```

```
|||____SavedPagination.tsx
|||____serviceCard.tsx
|||____button.tsx
|||____input.tsx
|____pages
|____index.tsx
|____savedJobs.tsx
|____landing
|____sections
|____intro.tsx
|____services.tsx
|____commitments.tsx
|____testimonials.tsx
|____howWeWork.tsx
|____login.tsx
|____displayProjects.tsx
|____home.tsx
|____projects
|____view
|____[id]
|____index.tsx
|____admin
|____jobs.tsx
|____auditLogs.tsx
|____studentPosts.tsx
|____createJobs.tsx
|____signup.tsx
|____edit
|____[id]
|____index.tsx
|____createProject.tsx
|____api
|____cloudinary.ts
|____auth
|____[...nextauth].ts
|____favorites
|____index.ts
|____admin
|____[email]
|____index.ts
|____index.ts
|____jobPosting
|____getAll.ts
|____create.ts
|____[id]
|____index.ts
|____update.ts
|____delete.ts
```

```
||| |__ user
||| |__ [email]
||| |__ favorites.ts
||| |__ index.ts
||| |__ create.ts
||| __ project
||| |__ create.ts
||| |__ [id]
||| |__ index.ts
||| __ displayJobs.tsx
||| __ jobs
||| |__ view 2
||| |__ [id]
||| |__ index.tsx
||| __ view
||| |__ [id]
||| |__ index.tsx
||| __ app.tsx
```

## **Access to GitHub repo and downloading files from repo.**

To access our Github repository and download the files you need to follow these steps:

1. Navigate to the repository you want to download
2. Click on the `code` button, which is located on the right side of the page above the listed files in the repository.
3. Click on the clipboard icon to copy the URL of the repository. You can select the protocol for cloning the repo. There are a few ways to clone the repository such as:
  - a. HTTPS(Use Git or checkout with SVN using the web URL)
  - b. SSH(Use a password-protected SSH key)
  - c. Download the zip file
4. Open your command prompt/terminal, navigate to your project path directory
5. Type the command `git clone` followed by the URL
6. After the command, you should change directory to the repository path
7. You can open the repository using the command `code` .

## **How to install npm packages**

To install the npm packages that was used in this project you need to follow this:

- a. Adding new dependencies**
  - i. Open your command prompt/terminal, navigate to your project path directory
  - ii. To install the packages you can use `npm install` or `npm i` command followed by the package name you want to install.
- b. Existing Dependencies**
  - i. Under `package.json` if there is already an existing list of dependencies. When you run the `npm install` or `npm i` command. This will automatically check what dependencies are in the project and install it.

## Versions of npm packages

NPM packages used	Version
@chakra-ui/icons	2.0.17
@chakra-ui/react	2.4.9
@emotion/react	11.10.5
@emotion/styled	11.10.5
@mui/icons-material	5.11.0
@next-auth/mongodb-adapter	1.1.1
@next/font	13.1.3
@types/bcrypt	5.0.0
@types/jest	29.4.0
@types/node	18.11.18
@types/react	18.0.27
@types/react-dom	18.0.10
@types/supertes	2.0.12
axios	1.3.2
bcrypt	5.1.0
cloudinary	1.33.0
eslint	8.32.0
eslint-config-next	13.1.3
formik	2.2.9
framer-motion	8.5.4
mongodb-memory-server	8.12.0
mongoose	6.9.0
multer	1.4.5-lts.1
next	13.1.3
next-auth	4.19.2
next-connect	0.13.0
react	18.2.0
react-alice-carousel	2.7.0
react-dom	18.2.0
react-icons	4.7.1
react-multistep	5.5.8
sass	1.57.1
sharp	0.31.3
supertest	6.3.3
ts-jest	29.0.5
typescript	4.9.4
@babel/plugin-transform-modules-commonjs	7.21.2
@babel/preset-env	7.20.2
@types/multer	1.4.7
@types/react-slick	0.23.10
autoprefixer	10.4.13
husky	8.0.3
jest	29.5.0
postcss	8.4.21

## **Integration Testing**

To access the the Testing branch follow this steps:

1. Visit to this github link <https://github.com/TechArtemis/2204-ITPROJECT>
2. Clone the repository
3. Open a new terminal
4. Type in git checkout emil/task/createUserNoDuplicate or ryan/task/createJobPostingTest
5. To run the test, on the terminal type in npm test

## **Jest tests ( also write about future jest tests to be written and tested )**

In the future we would like to implement a test that will check the following:

What -Creating a Student Project

When - The admin inputs the correct requirements

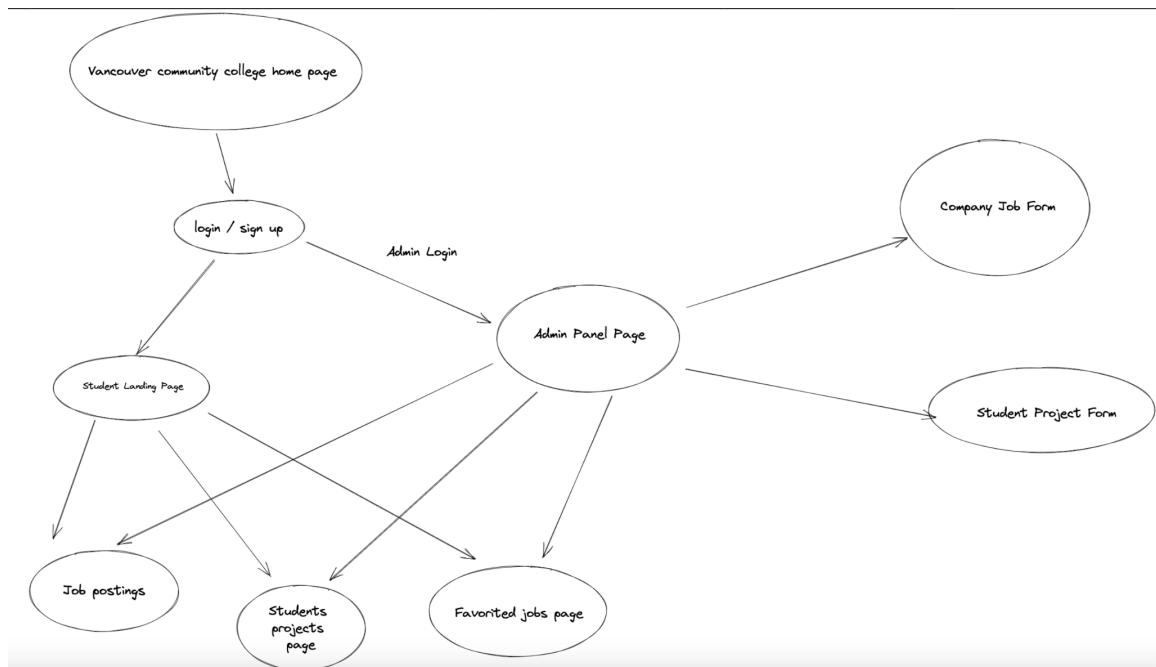
Should - Should get code 200 and “Student Project successfully created”

What -Deleting a Student Project

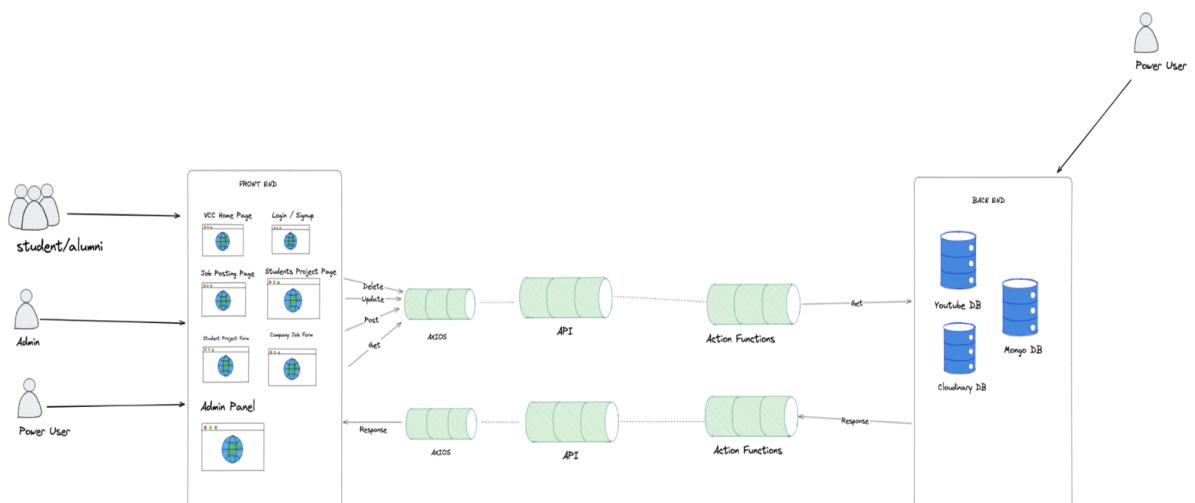
When - The admin deletes a specific project

Should - Should get code 200 and “Student Project successfully deleted”

## Website Flow Diagram



## System Components Diagram



# Product Documentation

## Problem overview

Build a web page where students can find job employment resources, job postings, and be able to display their projects on a platform for the Vancouver community college CST program.

## What are we solving?

The current computer systems technology program at Vancouver community college is a new program that is building out a lot of new features to help students more with their career goals. One of the problems that the program currently has is that there is no outreach for students to be able to look for computer science related careers or jobs. The school also doesn't have a platform to showcase CST students' projects that they have built within the school's program. We are solving these issues by developing a web page where students can find co-op / job positions related to computer science and be able to display their projects on a platform for not only companies to see but also the internal and external communities involved with VCC.

## Current Version (What our current product is)

Version 1.0

## Future Versions

### I. Version 1.1

- A. Added security logins and signup through school single sign on methods.

### II. Version 1.2

- A. Email password resets
- B. Posted jobs emailed to Marianna.

### III. Version 1.3

- A. Using docker to containerize the project so that the project can be used on any platform or device.
- B. Added to schools Microsoft DB for more secure information on page.

## **Impact the project will have?**

Currently the program at Vancouver community college doesn't have a platform for students to showcase their projects that they've created in different classes and as well there's no network outreach where students are able to talk to different faculty members or external communities leaders about computer science related jobs or career advice. With our Vancouver community college co-op page, the solutions that we are providing will allow students to reach their career related goals and grow their journeys towards a career in a technology field.

## **Target audience**

- Vancouver Community College students, alumni

## **Who uses the product and needs to be involved?**

- Companies
- CST faculty

## **Primary users**

- Vancouver Community College students, alumni
- CST faculty

## **Dependencies**

Using Cloudinary for images

MongoDB for database

Chakra.js for frontend design components

YouTube API for VCC homepage video

## **How does it work?**

Students and alumni will sign up for an account on the web page to have access to a VCC student homepage that will be able to display job postings and information regarding the job. They are able to click on job postings for information about the job and also be redirected to company job links to apply for job positions which can be found on the job postings displayed. The webpage will also have links to multiple job / co-op resources offered from the school which can be found throughout the homepages. Current students can talk to their program coordinators to upload their student projects and have them displayed on the co-op page. Once a job opening is sent through email to the program coordinator and is validated that the job fits VCC Co op requirements by the program coordinator, admins are able to post the job information in a form which when submitted will display on the job postings page for students to view. Students will also be able to contact their program coordinator to talk about uploading their projects to the webpage so admins can fill out a form to upload the student project to the webpage which is displayed under the students projects tab. Admins for the webpage can search, post, edit, and delete co-op job postings and student projects through the company job form tab and student projects tab. Admins are also able to have full control of the information for job postings and student projects on the admin panel tab.

## **Brief write up of features on project.**

Our current product is a web page with features that allow students at VCC to find and view job/co-op resources provided by Vancouver community college and external websites. Students can also favourite jobs that they find interesting that are only saved to their account. Students can also view and display their proposed projects. Admin users can search, post, edit, and delete co-op job postings and student projects.

## **link to user manual and admin manual**

## **Wireframes**

Figma links

## **Known issues (Write up of bugs, problems with page, features we couldn't add)**

Added security logins and signup through school single sign on methods.

Email password resets

Posted jobs emailed to Marianna.

Using docker to containerize the project so that the project can be used on any platform or device.

Added to schools Microsoft DB for more secure information on page.

**Support**

- **Link to all documents**

# Design Documentation

## Motivation

Our team did research on co-op pages used by BCIT, UBC, SFU, and KPU. After our research we came to the conclusion that designs needed to be modernised on the Vancouver community college webpage. We wanted to take certain design features that other co-op pages had and implement them on our co-op page for VCC. We also wanted to use modern technologies to build the webpage using chakra.js, sass, and next.js. Our page also needed to be responsive as well so we implemented different CSS stylings and made different aspects of the page to be fit into components so we could easily design and access structure of the pages.

## Requirements

- Use modern technologies to build the application
- Make the page responsive and mobile friendly
- Creating a colour palette for webpage that is similar to VCC webpages
- Creating functions for posting, editing, deleting, and saving jobs
- Creating a page for students to submit their projects
- Creating an admin page for faculty to access posting, editing, deleting, and saving functions
- Creating authentication for user login and sign up for a secure page
- Using modern technologies such as Next.js, Typescript, Chakra.js, SASS

## What requirements did we deliver?

We were required to create a co-op page that other schools have implemented on their web pages. We have delivered a web page that implements the same functionalities that other school co-op pages use and delivered a modern design pattern for the web page.

## **What scenarios we want to enable in the future (talk about the added features we want to implement)**

We want to implement a more secure service for login and sign up using Vancouver community colleges single sign-on services provided by Microsoft as it would make users that are created on our page more secure and only Vancouver community college students and alumni can use the page. It would also stop malicious users from flooding our database and create less manual input redundancy from admins verifying new users on our page.

Another scenario is adding a container service such as Docker to our project so that our application can be launched and used on any platform and provide technical power users on our page to further develop the code and be able to run it on their own machines.

## **What the current design looks like**

- <https://www.figma.com/file/WTdmtU1a7F3NbSrWBdKcOL/Design?node-id=2-2>

## **Q/A**

### **- How to login, signup, sign out**

#### **Login**

By clicking the login on the top of the VCC co-op homepage you will be directed to a login page where you will need to sign in with your school email ex. 000444111@student.vcc.ca and for the password field it would need to contain a 10 ten digit password including at least 1 uppercase character, lowercase, and at least 1 special case character ( i.e. !@#\$%^\*()& )\_/. )

#### **Sign Up**

By clicking on the signup button on the bottom of the login page you will be directed towards a signup page where you will need to sign up with a first name, last name, your school email ex. 000444111@student.vcc.ca and for the password field it would need to contain a 10 ten digit password including at least 1 uppercase character, lowercase, and at least 1 special case character ( i.e. !@#\$%^\*()& )\_/. )

## **Sign out**

If you click on the top right logo of your first initial or a profile image that you've set, you will be able to sign out of your account and be taken back to the initial landing page for Vancouver community college.

## **How to post student projects**

On the VCC co-op landing page you can click the student projects tab which will redirect you to a form to post information about the student's project. When the information on the student's project form is fully submitted it will post the card on the student projects page which can be located on the VCC co-op landing page at the top under student projects tab.

## **How to edit job posting form information**

By clicking the pencil icon admins can edit the information in certain fields on the form before submitting the form information.

## **How to delete jobs**

By clicking the pencil icon on the top right of the form admins can delete the form.

## **Who to contact about co-op or posting a project.**

### **Contacts**

[rnezami@vcc.ca](mailto:rnezami@vcc.ca)

[masantoro@vcc.ca](mailto:masantoro@vcc.ca)

## **Job cards**

Clicking on the cards which can be found on the job posting page will allow you to view job posting information such as company name, job type ( Full time, Part time, Hybrid, and Co op ), job description, location, and skill tags.

## **How to favourite job postings**

By clicking the heart on the job posting cards you will be able to save your job postings that you viewed and it will be saved on your my jobs tab to view.

## **How to unfavorite job postings**

By unclicking the heart on a job posting card it will take the job posting away from your favourites list at the bottom of the job postings home page as well as the my jobs page.

## **How to search for jobs**

Typing any keyword into the search bar will populate the specific job postings related to that keyword and this can be viewed on either the student home page or the job postings page.