

# CPSC 304 Project Cover Page

Milestone #: 3

Date: Oct 30, 2022

Group Number: 66

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

## Tentative Timeline

Task1: Specify the functionalities of the web app and decide required APIs

Deadline: Before Nov 6th

Task2: Implement back-end functionalities and create APIs

Deadline: Before Nov 6th

Task3: Design and implement the GUI page by page using HTML/CSS

Deadline: Before Nov 13th

Task4: Embed back-end functionalities within front-end interface with and enable users to  
manipulate oracle database using UI

Deadline: Before Nov 25th

## Description of Possible Challenges

- Having problems designing SQL queries for our proposed functionalities
- Having problems letting the user interface fully interact with the database
- Having problem using HTML CSS to implement desired UI

## UI Functionalities:

- Add new issued visas
- View all issued visas
- Add new visa-applicants
- View all visa-applicants
- Update visa-applicants' info
- Delete visa-applicants
- View all visa-holders
- View travel history of visa holders by nationality
- View all embassies & consulates
- Add new immigration officers
- View all immigration officers
- Update immigration officers' info
- Delete immigration officers
- Add new interview slots
- View all interview slots
- Update interview slots
- Delete interview slots
- Add new visa applications
- View all visa applications
- Update visa applications
- Delete visa applications
- Add new approved institutions
- View all approved institutions
- Update approved institutions
- Delete approved institutions

# Main Page

Manage VISA's

Manage People

Manage embassys

Manage Visa

Manage issued visas

Manage approved institutions

Manage People

Manage visa-applicants

Manage visa-holders

Visa-holders      = "SELECT"

Search visa-holders

"PROJECTION"

ApplicantID	VisaID	Expiration Date	Issue Date

Travel History (by Nationality  )

VisaID	Destination	Departure	Date & Time

"JOIN"      "DIVIDE"

Visa-Applicants      "selection"

search applicant:

new applicant

"insert"

"projection"

ApplicantID	Name	Nationality	DateOfBirth

# Issued Visas

Filtered by year

Filtered by type  Work

= "Select"  
= "Projection"

Visa ID	Visatype	Issue Date

"count"  
"aggregation with group by"  
Total number: 3

# New applicant

Name :

= "INSERT"

Nationality :

Date of Birth :

yy-mm-dd

# Embassies

SELECT

Filtered by countries

US

Embassy ID	Country	Address

Embassy ID    Country    Address

Officer ID	Name

## Approved Institutions

InstitutionID	Institution Name	Category

Filter by ID:  "Selection"

Filter by name:

## Applicant Details

Applicant ID :

Name :

Nationality :

Date of Birth :



"Update",  
"Delete"