



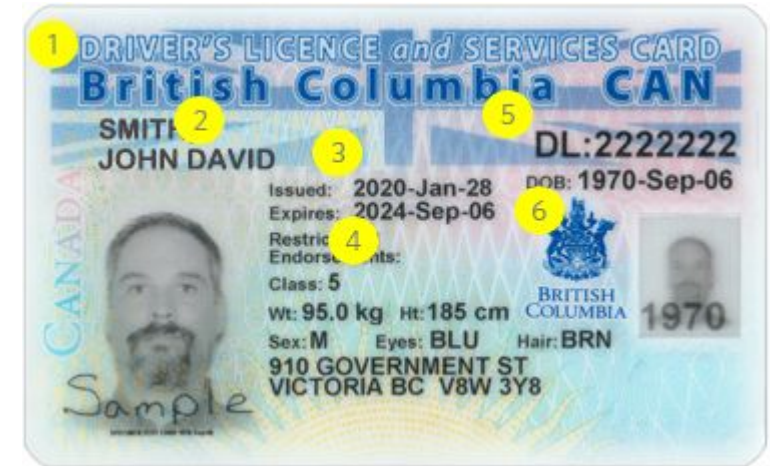
British Columbia Driver's License Advisor

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Introduction



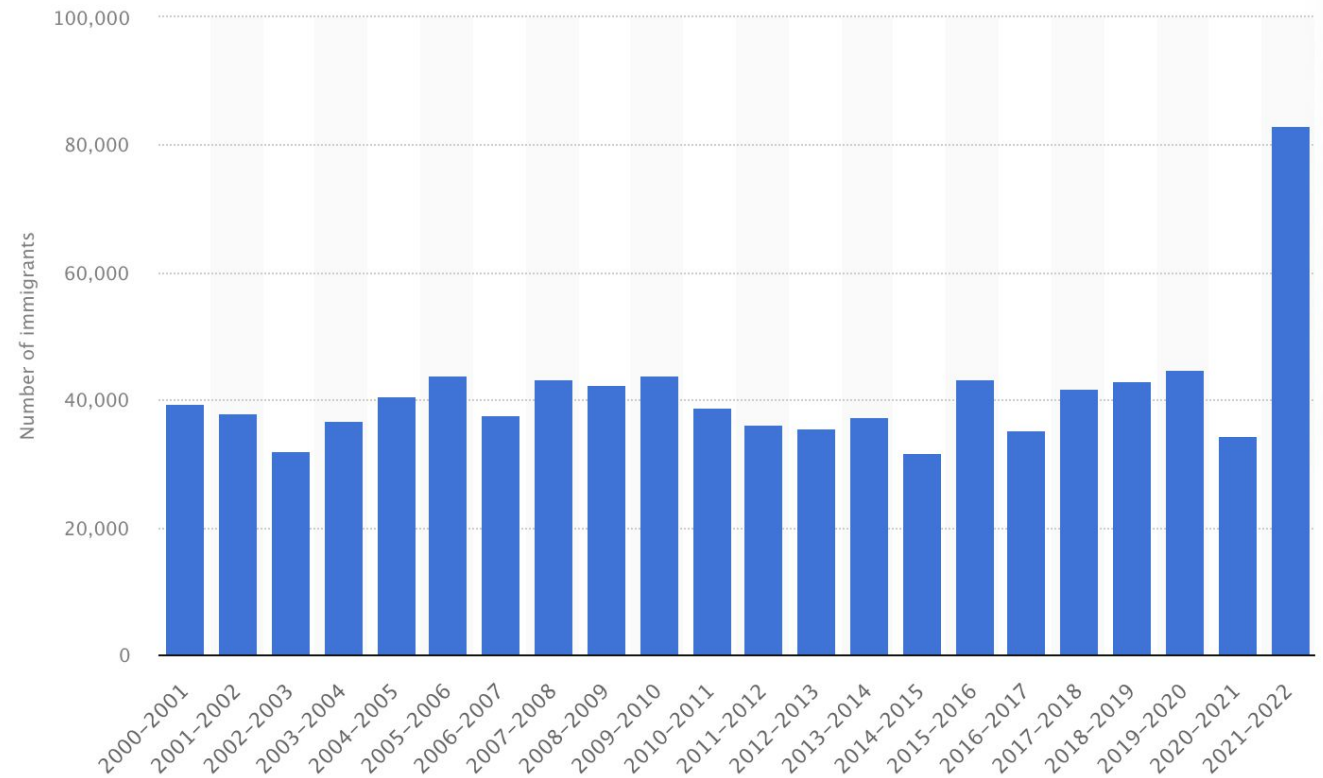
- Canada is a huge country! BC is a huge province! Okanagan is a huge region!
- New residents with previous driving skill needs BC Drivers License
- Drivers License is a Government ID
- Instead of BC ID, you can have BC Driver License



Background?



- Number of immigrants to BC
- High Car Insurance Premium
- Public Transit Strike
- Unavailability of Public Transport



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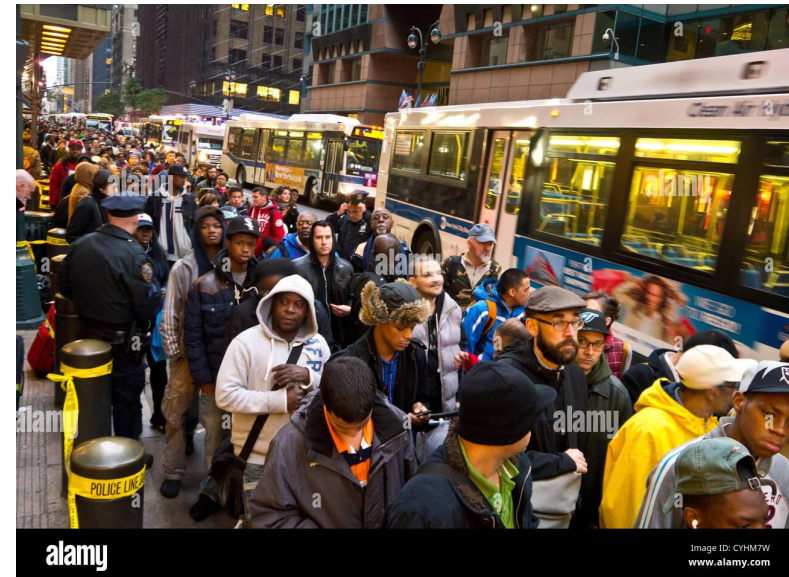


Okanagan public transit union calls off full-scale strike after agreeing to binding arbitration



Despite the agreement, no public bus service will be available Wednesday except HandyDART

Winston Szeto - CBC News - Posted: Oct 05, 2022 11:31 AM PT | Last Updated: October 5



Introduction - Motivation



- Earn your own BC Driver's License!!!
- **But how?** As International students, you have questions like -
 - I don't have any license from any countries...
 - I am a novice driver in my country
 - I am a very experienced driver in my country
- **How to start the journey to get a BC Driver's License!?**
 - What should I know?
 - Knowledge Test?
 - Road Test?
 - Good resources?
 - Driver's Schools?
 - Where to enrol?..... And more.....



The Solution

- Here comes to your application : ICBC Driver's License Advisor !
 - Collect applicants background
 - Recommend next course of action
 - Provide technical resources helping you to prepare for the various tests
 - Provide online links to complete steps

1. **Sub-Package 1 Module 1** (ProfileBuilder.Collector)
 - a. promptUser
 - b. validateInput
 - c. constructProfile
2. **Sub-Package 1 Module 2** (ProfileBuilder.UserProfile)
 - a. __init__
 - b. displayProfile
 - c. getCategory
3. **Sub-Package 2 Module 1** (Analyser.Advisor)
 - a. evalProfile
 - b. gatherResources
 - c. Advice
4. **Sub-Package 2 Module 2** (Analyser Resource)
 - a. __init__
 - b. displayResource
 - c. getResCategory

Sub-Package 1 Module 1

- ProfileBuilder.Collector
 - Control the collection of background information from the users
 - Interact with users to collect user input
 - Create and populate the necessary user profile objects based on the collected input

Functions

- Brief description of three functions
 - promptUser : Display prompt to interact with and prompt user for input
 - validateInput : Perform user input validation
 - constructProfile : Create and populate user profile object to be evaluated in this application

Sub-Package 1 Module 2

- ProfileBuilder.UserProfile
 - The main user profile class to store the personal background or attributes to be considered by the DL Advisor

Functions

- Brief description of three functions
 - `__init__` : Object Initializer, based on what user profile during object initialisation
 - `displayProfile` : Display a summary of the user profile details
 - `getCategory` : Determine the category level the user belongs to (e.g. Fresh Starter, Learner, Novice, Qualified, etc).

Sub-Package 2 Module 1

- Analyzer.Advisor
 - Consider the user profile
 - Make recommendation to user to determine the next step
 - Gather appropriate resources

Functions

- Brief description of three functions
 - evalProfile : Evaluate the user profile and determine offer appropriate advice
 - gatherResources : Determine the resources from the resources pool to be recommended to user
 - advice : Present the recommendation to user, and perform further interaction or input, if applicable

Sub-Package 2 Module 2

- Analyzer.Resource
 - Generic (Parent) Resources class for storing and managing the different resources information
 - Keep track of the categories of different resources
 - Two subclasses :
 - Analyzer.PrepResource : specifically for the technical preparation of various tests
 - Analyzer.OLResource : specifically for the preparation/registration of various online administrative services

Functions

- Brief description of three functions
 - `__init__` : Object Initializer, populating relevant resource details, such as hyperlinks, or text messages
 - `displayResource` : Return a meaning object String
 - `getResCategory` : Determine whether the category of this resource object (e.g. webpage, youtube, etc)



Any Questions?



Thank You