# British Columbia Driver's License Advisor

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## Background:

Canada is a big country and British Columbia is its 3rd largest province with respect to population estimating 5 million. Annually approximately 40K people immigrate to BC and last year (2021-2022) it doubled and the number stands at 83K. One of the major objectives of an immigrant is to get a government ID as it is a piece of identification document which is very important for taking various other services. So, we have decided to do our DATA 533 project to build a solution for any resident in BC who wants to apply for a driving licence here. There are mainly 3 categories of people who will be using the system:
1. New Drivers without any previous driving license
2. Previous driving license from Canada or Reciprocal Country
3. Previous driving license from Non-Reciprocal Country

Based on the entry the system will advise the applicant for the next course of action.

## Package and functions:

**Two subpackages are designed :**
- `ProfileBuilder` **:** responsible for the interaction with users to gather user background, and create the corresponding user profile. Consists of two modules :
    - `ProfileBuilder.Collector` : utility class to handle the user interaction and validation, etc
    - `ProfileBuilder.UserProfile` : main user profile class to store personal attributes
- `Analyzer` **:** responsible for the evaluation and assessment of the user profile, then make the recommendation to determine the next step, together with relevant resources. Consists of two modules :
    - `Analyzer.Advisor` : utility class for the recommendation engine
    - `Analyzer.Resource` : main resource class to store different resource links