**PUBLIC TRANSPORT LICENSING SYSTEM**

PTLS system is web based intranet application, is used for issuance of vocational license for vehicle drivers .PTLS system is also used for making complaints against vocational driver(s).Based on the investigation report VL\*(Vocational license) could be revoked or suspended.

During the investigation, VL holders can appeal against the complaint made in order to defend themselves.

PTLS system has various roles for them. Each role is assigned with one or more functions. PTLS System is integrated with one .Login for authentication of user(s) and also it enables PTLS admin to add/remove PTLS application To/from respectively. Upon login to One .Login, user will be shown link to PTLS application from there they can login to this PTLS application.

This project is user-friendly and requires minimum human intervention. Individuals just have to fill up a form that specifies questions from all required fields such as personal questions, driving skills. The answers provided by the users are stored and the system automatically generates a well structured report.

**\*VL**: Vocational license means a license, permit or certificate directly related to completed vocational training and which is a prerequisite to the performance of job functions related to said vocational training.

**Features/Modules:**

* **Admin login:** Admin is the one who administers the system and input updates.
* **User login/Registration:** Users have to create an account into the system by registering themselves. Then they may login into the system and can utilize services.
* **Medical Acknowledgement Letter:** On a daily basis, PTLS staff will receive the medical report submitted by VL holders. PTLS staff will update the details into PTLS application. During the update process, user can choose to have a medical acknowledgement letter for license holder or not. A batch process is to be run every night so that staff can generate the acknowledgement letter on the next day. An adhoc features also available if the letters need to be print urgently.
* **Course Assignment:**
* **Resume form:** Users on selecting the format will be given an online form to be filled. The form includes questions like academics, personal, interests, hobbies, skills, courses, experience and so on.
* **Resume builder:** On submitting the form the system stores the data and within a short period of time generates resume in selected format.
* **Choice of file:** User also given option to choose the kind of file they wish to create the resume i.e. in pdf file or word file.
* **Export facility:** Users can even export the file from word to pdf or vice-versa.

**Software Requirements:**

* OS: Windows 10, Windows 8.
* DB: MySql, Apache Tomcat server, JDBC connection.
* BackEnd: Java, Spring Framework.
* FrontEnd: JS, HTML5, CSS, bootstrap.

**Hardware Components:**

* Processor – core i3.
* Hard Disk – 1 TB.
* MIN-Memory – 8GB RAM.

**Advantages:**

* Applicant is able to apply for any / all license codes within a license group.
* Only the latest passed test needs to be stored. The data will be uploaded through diskette.
* Monthly screenings prior to renewal are performed x months (depending on agency) prior to expiry. Screening data from CPF, TP will be uploaded to the system
* Driver’s license group shall be auto cancelled upon when the license holder is reaching his/her age of 75.
* Applicants need to re-apply again if their previous license is being revoked.
* The system saves time and reduces human efforts.

**Disadvantages:**

* It requires internet connection.
* All VL generating process is dependent on data gathering and managing, so continuous server management is required.

**Applications:**

* It can be used by Government or Traffic departments for advanced vehicle licensing system.

**Reference:**

* Books : Java: The complete reference, Eloquentjavascript
* Tutorials: W3Schools.com, Javatpoint.

NOTE: SUBJECT TO CHANGE.