

# Vision Document [E-Concordia Drive]

## 1. Introduction

The purpose of this vision document is to describe the problem solved by the E-Concordia drive, an interactive E-learning platform. In addition to this it identifies and provide a brief introduction of the stakeholders, the target users, and the user environment of this platform. It also focuses on user needs and its possible solutions. It identifies the difficulties faced by various students particularly international students, also focuses on the capabilities needed by the stakeholders and the target users, and why these needs exist.

### Scope

This vision document applies to E-Concordia Drive, an online E-Learning platform for all Concordia students. This system will provide students, all their important information and note their previous track record of video watching. This practice lessons will help students to learn driving lessons and earn skills at their own pace. The quality of the video is being reviewed and then published by admin once drafted by trainer.

## 1.1 References

- E-Concordia drive wireframe  
[https://drive.google.com/drive/folders/1ZwPFXS0qTLdKUHx-8RnGFNUoWHh\\_gsec](https://drive.google.com/drive/folders/1ZwPFXS0qTLdKUHx-8RnGFNUoWHh_gsec)

## 2. Positioning

### 2.1. Problem Statement

The problem of	Learning and practicing driving lessons in an interactive at E-platform for students
Affects	Students
The impact of which is	<p>That student,</p> <ul style="list-style-type: none"><li>• They must purchase physical books, to learn driving lessons, which are very costly.</li><li>• With the introduction of an interactive E-platform, students don't have to attend physical lectures, they can watch video anytime anywhere.</li><li>• since youth population is attending physical lectures, they cannot see the lecture video again and they cannot solve the doubt, if they have any. Moreover, students need to spare more time in making notes.</li><li>• They cannot track their exam record at ease.</li></ul>

A successful solution would be	a web-based platform in which trainer uploads a driving lesson lecture and then once the video is drafted, it is reviewed by admin for quality purpose and if everything is perfect then the video will be published, then the authenticated Concordia University Students can watch this video and can solve various quizzes.
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## 2.2. Product Position Statement

For	Students
Who	Wants to learn and practice driving lessons at their own comfort
The E-Concordia Drive	is a software product
That	provides an online E-learning platform for students, where trainers prepare a video with various quizzes then admin check the quality of the video and the content, once he approves it, they post it online and students can view the lectures.
Unlike	The conventional systems where students must attend physical lectures at specific time and must travel to the Driving lesson coaching center location. They spend more time in travelling than to study. Moreover, they cannot have the same lecture again since it is physical class, unlike in online where a student can watch a video as many times as one wants.
Our product	<ul style="list-style-type: none"> <li>Provide a platform to learn and study driving lessons at one owns comfort with no compromise in the quality of the video.</li> <li>Can solve many quizzes, answer multiple choice and True or False questions, which makes user more confident and interesting to watch more videos.</li> </ul>

## 3. Stakeholder Descriptions

### 3.1. Stakeholder Summary

Name	Description	Responsibilities
Admin	They are the administrators of the webpage. They have all control of data and the website.	<ul style="list-style-type: none"> <li>They can view the video posted by trainer and publish it once the quality of the video is perfect.</li> <li>They can comment, edit, and can manage videos.</li> </ul>

		<ul style="list-style-type: none"> <li>They can also remove a particular video if they don't find the quality of the video perfect.</li> </ul>
Trainer	They are like admins, but they do not have all access on the video like admin.	Trainer creates video lecture or a slide in an interactive manner for students and once it is framed, they draft it. They Create quizzes, different types of questions to test the students.
Developers and Testers	Developers are one who will develop the system. Testers are the one who tests the written code by the developer.	<ul style="list-style-type: none"> <li>Developers develop the system as per requirement and do coding to include all functionalities.</li> <li>Testers task is to make the code error-free.</li> <li>To make sure that all functionalities coded are working properly.</li> </ul>
Quebec Traffic Department	They are the one who work in the field in real traffic and knows what changes to be bring in the system to make every leaner a good driver.	They help in gathering various information which would be very helpful in our system. Also with their collaboration we can arrange some sessions for new learner to get some traffic experiences and lessons.
Project Sponsors	They are one who will invest in our project.	They help in eliciting various requirements for our project to give more functionalities to the user.

### 3.2. User Summary

Name	Description	Responsibilities	Stakeholder
Trainer	End User	They create video lectures or a presentable slide in which they add some quiz or some multiple-choice questions for students and once it is framed, they draft it for approval.	Self-represented
Student	End User	They login into the system by entering some personal details. once entering personal credentials, Concordia students can watch video online anytime anywhere. They	Self-represented

		can also test their knowledge by answer quiz.	
Admin	End User	They approve the video drafted by trainer and manages the video. They have full access of the system i.e., control data, control videos (edit, delete, post), and many more. They are the administrators.	Self-represented

### 3.3. User Environment

There will be three users of the system namely, students, admin and trainer. Admin is the main administrator of the application. He can login into system by entering his/her personal credential and then can access the admin page. They can manage users' data, trainer data and also the videos (edit, post or delete). Trainer securely log-in into the system and can create the slide, video for students. Moreover, they can create various types of quizzes for students. Students can securely access the website online by entering E-Concordia Drive in any search engine. Students must have a smartphone or laptop with any operating system and a stable internet connection to access the website. If the student is of Concordia University, then he/she can access the website anytime just by entering their personal credentials, if they are already registered, otherwise they can register. Also, speaker and the screen of the device must be accessible by the student. The website will give many pop-ups, so all users must not block pop-ups in their browser.

### 3.4 Key Stakeholder or User Needs

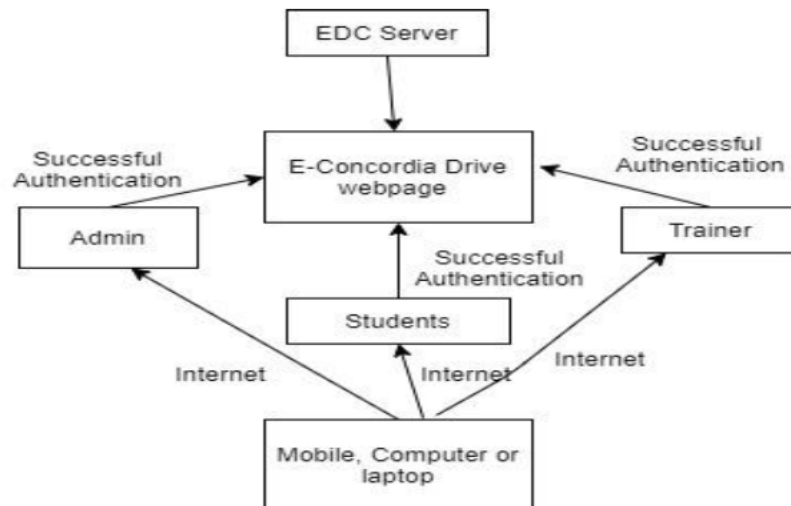
Need	Priority	Concerns	Current Solution	Proposed Solutions
Highly Authenticated	High	Login credentials of student, admin and trainer should be authenticated so that they can access only their part.	None	Authenticate user like students, admin and trainer with separate id and password.
Scalable	High	Webpage should handle more traffic	None	Should use good servers and should use good network load.

User-friendly	High	User should be able to know how the flow of the website is.	None	Provide interactive and various pop-ups to user. Also, a how-to-use pdf should be there on website which has all the steps of how to use the website and what it offers.
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#### 4. Product Overview

##### 4.1. Product Perspective

This product will provide a great user-friendly interactive interface to students of Concordia. The representation of the system will be as given below:



##### 4.2. Assumptions and Dependencies

Assumptions	Dependencies
System should be platform independent	System should be developed in one technology and once a good revenue has been generated, system can be developed in different technologies to make it compatible with different platform as per demand.
System should support latest operating system version	System Developers should at least wait for some time once a new operating system is in market. As the new OS in the market may have some bugs. If developers developed our system compatible to it

	and what if bugs encounter. Thus to be on safer side system should be developed compatible to new OS once its upcoming version starts rolling out.
Every stakeholder and end user should have a different module	if the student is of Concordia University, then he/she can access the website anytime just by entering their personal credentials.

## 5. Product Features

- 5.1 **Login:** User, admin and the trainer have their login credentials by which they will be enter into the system.
- 5.2 **View:** admin can see the lessons/slide details.
- 5.3 **Status:** admin can look at the status of each video, like if any changes are made by trainer, if changed then time and date can be viewed.
- 5.4 **Comment:** admin can make any comment on the video.
- 5.5 **Approving video:** admin clicks on edit button and approves the video, once approved video will be published.
- 5.6 **Deleting video:** If any issue found in the video published, only admin can delete the video. But if the video is not published then trainer can also delete the video.
- 5.7 **Editing video:** If any correction found in the video published, only admin can edit the video. But if the video is not published then trainer can also edit the video.
- 5.8 **Lesson Management:** Quality/admins keep track of all lessons.
- 5.9 **Lesson Creation:** Trainer/admin can create the new lesson.
- 5.10 **Lesson Modification:** Trainer can modify the content of lesson by adding or removing the slides or also editing the content of the slide or adding any quiz.
- 5.11 **Quiz Creation:** Trainer can frame quiz, multiple Choice questions, Reorder quiz, Drag and Drop and True or False.
- 5.12
- 5.13 **View Draft Videos:** On clicking draft, trainer and admin can see all the videos that are yet to be published.
- 5.14 **View Published videos:** On clicking on Published, trainer and admin can see all the videos that are published.
- 5.15 **View Students:** Admin can view all the users (i.e., students) and can see their whole track record.
- 5.16 **View Trainers:** Admin can see all the trainers, what videos they uploaded and many other details.
- 5.17 **Access Control:** When any trainer is editing a particular video then no other admin or trainer can access that lesson.
- 5.18 **Lesson Information:** Students can keep track of videos that they have bought/purchased.
- 5.19 **Course Progress Bar:** Students can see their progress.
- 5.20 **Start Again:** Students are allowed to preview lesson once again if they have enrolled the course.
- 5.21 **Attend quiz:** student can attend quizzes.
- 5.22 **Good UI:** If any answer in quiz is right, then various effects are added. If wrong, then also.

- 5.23 **View grades:** A student can see one full course grade or their entire report card.
- 5.24 **Pay Course fees:** Students can pay Course fees.
- 5.25 **Logout:** By pressing logout button a user will be logged out of the system.

## 6. Other Product Requirements

### 6.1 Easy-to-Use

The system should have good user interface, which makes the webpage user friendly. There should be a pdf document in the webpage, entitling “How-to-use” in which the whole flow of the website should be explained.

### 6.2 Security

Secure access in the system nowadays is very much important, because of hackers and many more factors. Authentication should be there for all users. Password strength should be very strong, which must include a letter, a digit, some minimum length, and a special character. Students can only view videos. Trainers can only add or edit the video, if not published. Only admin should approve the lessons.

### 6.3 Platform Independent:

System should support various operating system and different platforms. It should work perfectly in both MAC and windows, also at the same time in android smart phone or in tablets.

### 6.4 Scalable:

System should be able to handle consistently, the traffic of its users i.e., at least 10000 at one time.

### 6.5 Development Requirements:

The system will be developed using HTML in front end, PHP MVC framework for backend development and MYSQL database to store all the records of lessons, trainers, users and many other vital information.

## 7. Appendix

Section	Time Spent
Introduction	25 minutes
Positioning	45 minutes
Stakeholder Description	1 hour 40 minutes
Product Overview	30 minutes
Product Features	1 hour
Other Product Requirement	20 minutes

## Task 1: Vision Document

### Defect Table:

Defect #	Location	Defect type	Classification	Description	Status	Date corrected
1	3-3.1, Page 2	Omission	Major	Not mentioned few major stakeholders that were important from system point of view. These stakeholders would be developers, testers, Quebec Traffic department, project sponsors. Developers and testers are the ones who will develop the system but not take part in information gathering.	Close	15/08/2021
2	3-3.2, Page 3	Omission	Major	Admin should also be a user. Not mentioned it as a user in user summary.	Close	15/08/2021
3	3-3.3, Page 3	Over specification	Minor	Too much detailed specification of the machine solution is mentioned.	Close	15/08/2021
4	3-3.4, Page 4	Noise	Minor	In Scalable, there is no information regarding server usage in the problem world feature.	Close	15/08/2021
5	4-4.2, Page 5	Unfeasibility	Minor	To develop system platform independent takes a lot more effort from developers' point of view and from budget point of view. Project might take more than the scheduled deadline to make it platform independent.	Close	15/08/2021
6	4-4.2, Page 5	Contradiction	Minor	The system might not always support latest operating system as soon as the new OS is out in market.	Close	15/08/2021
7	6-6.2, Page 6	Ambiguity	Minor	Security term can be interpreted in many ways. It can also be taken as security of users, admin and trainers' data and also the accessing the right section by the authenticated users.	Close	15/08/2021

### Inconsistency Form:

#	Location	Inconsistency type	Classification	Description	Status	Date corrected
1	2-2.1, Page 1 S1: They must manage schedule if they book	Terminology Clash	Weak	Here physical coaching	Close	15/08/2021



	<p><b>physical coaching</b> S2: Since they are attending <b>physical lectures</b> they cannot see the lecture video, if they have any doubt, as it was a physical lecture.</p>			<p>and physical lectures are same, but they are given different name in different statements.</p>		
2	<p>2-2.1, Page 2 S3: a web-based platform in which trainer uploads a driving lesson lecture and then <b>once the video is drafted, it is reviewed by admin for quality purpose</b> and if everything is perfect then the video will be published, then students can watch this video and can solve various quizzes. 2-2.2, Page 2 provides an online E-learning platform for students, where trainers prepare a video with various quizzes <b>then admin check the quality of the video, once he approves it,</b> they post it online and students can view the lectures. Students can watch videos anytime and solve the quizzes and can track their record</p>	Structure Clash	Weak	<p>Here the main thing is the trainer reviews the video and post it online, this concept has been written in two ways in two different places.</p>	Close	15/08/2021
3	<p>3-3.2, Page 3 S5: Once <b>log-in into the system</b>, they can watch the video from where they left last time. 3-3.3, Page 3 S6: Anytime user can use the website <b>just by entering their personal credential</b>, if they are already</p>	Structure Clash	Weak	<p>Here, the main structure of the phrase, log-in into the system and getting into the system just by entering their personal</p>	Close	15/08/2021

	registered, otherwise they can register			credentials. Here both have the same concept structure but are used in two different statements.		
4	3-3.4, Page 4 S7: <b>Authenticate user</b> , admin and trainer with separate id and password  4-4.2, Page 5 S8: <b>Students</b> should be able to login into the system through their unique id and password, same goes for trainer and the admin.	Designation Clash	Weak	Here user and the student are the one thing. Student and user are used in two different statements but share the same concept.	Close	15/08/2021

## Rebuttal Form:

The following is a rebuttal template for the feedback received on delivery 2 on your vision document.

1. Title: **Response to reviewers, teacher assistant and instructor.**

2. Introduction:

I would like to thank the reviewers, teacher assistant for their detailed feedback and useful suggestions to improve my vision document.

I have carefully considered all the issues raised by my peers. Teacher assistant, and instructor and prepared a revised vision document. This document outlines how I have addressed each comment individually. Each comment has been assigned a number R(1-3).C(1-N), where the number to the right of the R identifies the reviewer, and the number to the right of the C identifies the comment.

My response to each comment is highlighted in blue.

Thanks for the opportunity to improve my vision document

Sincerely,

## 2. Create a table when you identify each reviewer with a unique identifier.

Reviewer	ID
Peer 1 (comments received in D2)	R1
Peer 2 (comments received in D2)	R2
Teacher assistant (comments received in D1)	R3

## 3. Reviewer comments

R1.01 Task – 0 Logging is not included.

I agree the comment and I have attached Task – 0 in delivery 2.

R2.01 Some statements are missed from Part 1.

I did not get the point of the reviewer as I have mentioned all the inconsistencies I found, in the interaction matrix.

R3.01 Missing Key Stakeholders

I do agree to it, I had not considered other options of stakeholders. Now in the updated vision document I have added new stakeholders.

R3.02 admin is also a user which you didn't mention in user summary

I agree to this comment. I have added admin in the user summary.

R3.03 appendix missing

I have added an appendix to my vision document.