Commercialize proposal

Executive Summary

During the Movement Control Order(MCO), it is more difficult for people to travel interstate because there are roadblocks that check for permission form approval. There are several  individuals who have an emergency or are travelling back and forth for work must arrive on time. However, because of some unethical people who scammed the enforcement officer at the roadblock, the traffic jam duration has extended, making it extremely difficult for everyone, including enforcement officers, who will have to check each car one by one with their printed documents. We can improve traffic and make people's lives easier with Interstate Travel Passport System because the process will only takes a few minutes and it is hassle free.

After conducting surveys to gather data, the outcome appears to be more on the negative side, with people still having to queue outside police stations and wait for long periods of time, there are also abuse of power such as bribes that allow people to travel anywhere because there are officers who give a clean form that is stamped and have signature which they can use a lot of time if they made copies . However, we can avoid this problems when using this system because the document administrator can only approve and give QR code after reviewing the required documents and ensuring that they are valid. No immoral behavior will occur because only those with a successful QR code will be allowed to continue their journey, while others will be forced to go to the side, reducing the traffic congestion. Also, rather than queueing up at the police station and having to return if the documents are incomplete, they can simply upload the supporting documents online and wait for approval.

ITPS was developed specifically to help users who need to obtain approval to travel interstate and ease the travel process.  With the ever-improving smartphone, an online application is preferable to a manual one. It is a software-based solution for applicants to request a travel permit.

Market Analysis

This system target specifically for the applicants who wishes to request a permit and for the PDRM to ease the process to travel interstate. Due to the difficulty of the old way that use manual form, the process took a lot of time.

The system is develop to to avoid hassle when we have to bring all the papers which is the form and supporting documents that is signed and stamped. The system have the same function as the manual form but it is more efficient because they can just bring a phone. As for the police side, they can scan the QR code to avoid traffic instead of stopping the car to check the document one by one. Before this, there is an application created but it is not secure and still causing fraud since the applicant cannot upload documents and not meeting the document administrator. Furthermore, the applications only last for a month because the main point is to allow people who is stuck at their village to return home. They proceeded to use manual form after that. ITP is developed to simplify the process. However, since we are now slowly going through endemic phase, we don’t need to use the interstate travel form anymore but this system can be used as another inisiative for police to use as other permit form.

This project aim permit applicants and pdrm in interstate travel process in Malaysia. There are 3 user which is permit applicants, enforcement officer and document administrator that each user have different roles. Before this, there are already an apps for the applicant to use but it got discontinued because it is not approved or not connected with pihak polis. The apps also only got approved or not je takde qr code so it still boleh menyebabkan salah that enable permit applicants to request to travel and the enforcement officer

* Permit applicant, pdrm

Problem Statement

The manual method that is used to travel interstate is quite not efficient because of the use of a lot of paperwork. This is resulted to time consuming due to the time taken when queueing at the police station to get the approval. Other than that, applicants also will waste their time due to traffic since the officer at the roadblock checkpoint need to check the paperwork thoroughly.

Next, since the manual form is using a paper, there are individuals who abuse the law by bribing the officer to get a clean butsigned and stamped form. They tend to sell lot of copies at higher price.

-time consuming

-salah guna

-beratur Panjang

- traffic jam

Unique Value Proposition

* Qr code
* Boleh upload documents
* Online
* Explain pasal benefit

Objectives

-objectives apps tu bukan project

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Methods and Scope of Work

Business Model

Milestones and Key metrics

Project Outcome

Strength, Weakness, Opportunity, and Threat (SWOT) analysis

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table Name | Attribute | Data Type | Format | Example |
| Permit Applicant | icNumber |  |  |  |
| Name |  |  |  |
|  | Phone number |  |  |  |
|  | email |  |  |  |
|  | address |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| Test 1 |  |  |
| Description |  |  |
| Action |  |  |
| Input |  |  |
|  |  |  |
|  |  |  |

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Chart

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Graphical user interface, application, Teams

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To conclude, all the objectives has been achieved and this system is useful for permit applicant and enforcement officer.

There are five models that is always been used to describe the process and one of it is waterfall model. The waterfall model is one of the most extensively utilised classical model of software development. (Nabil & A.Govardhan, 2010). In waterfall model, one stage must be completed before the next one can proceed, hence there can be no overlapping. This model is a sequential design process in which progress is shown to flow smoothly through the five stages which is Requirement Analysis, System Design, Implementation, Testing, Deployment and Maintenance. Interstate Travel Passport System is suited for using this model since a deadline can be set for each stage of development and it can be managed easily because each phase has different deliverables and a review process.( Lakshay Sharma, 2021 )

### 4.2.1 Mobile-based Application for Permit Applicants

**Graphical user interface, application, Teams

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*Figure 4.4 Splash Screen and Login*

Figure 4.4 shows the splash screen that the user will see upon opening the applications and they can sign in using username and password.

**Graphical user interface, application, Teams

Description automatically generated**

*Figure 4.5 Edit Profile and Sign Up*

Figure 4.5 shows the Edit profile and Sign up screen. User can change only their profile picture, Address, phone number and email. At the sign up page, user have to fill in the details such as Full name, username, email and password to create an account.

**Graphical user interface, application, Teams

Description automatically generated**

*Figure 4.6 Dashboard and Profile*

Figure 4.6 shows the dashboard where 3 choices are available for user to choose. The profile button is where user can view their profile and edit it. The request button is for the user to apply for a Interstate Travel permit. Lastly, the status button is where user can check their status such as APPROVED or PENDING. This is also where user can show the enforcement officer their QR code. The profile page include details that is keyed in by user during sign up.

**Graphical user interface, application, Teams

Description automatically generated**

*Figure 4.7 Permit*

Figure 4.7 is the request permit screen and user also need to add supporting documents before clicking Confirm.

**Qr code

Description automatically generated**

*Figure 4.8 Status for APPROVED and PENDING*

Figure 4.8 shows the screen after the user go to the police station for the document administrator to review their permit while the PENDING page is after the user submit their permit details.

### 4.2.2 Mobile-based Application for Enforcement Officer

**Graphical user interface, application, Teams

Description automatically generated**

*Figure 4.9 Sign In and Dashboard*

Figure 4.9 display the Sign In and dashboard screen for the enforcement officer. The officer can sign in through the applications using their Police ID. They can click at the scanner button to scan the applicant’s QR code at the roadblock.

**A screenshot of a cell phone

Description automatically generated with medium confidence**

*Figure 4.10 Profile and Edit Profile*

Figure 4.10 display the profile and edit profile.

**A screenshot of a phone

Description automatically generated with medium confidence**

*Figure 4.11 Approved and Rejected Screen*

Figure 4.11 display the view that the user will see after they scan the QR code.

**Graphical user interface, application

Description automatically generated**

*Figure 4.12 Scan and Permit Details*

Figure 4.12 display the scan and permit details screen where the permit details is from the applicant’s permit.

### 4.2.3 Web-based Application for Document Administrator

Graphical user interface

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*Figure 4.13 Dashboard and Profile*

Figure 4.13 shows the dashboard and profile screen for the document administrator

Graphical user interface

Description automatically generated

*Figure 4.14 Applicant list*

Figure 4.14 shows the list of applicants. The user can sort the list by status. This can ease them to find the permit that is need to be review.

Graphical user interface

Description automatically generated

*Figure 4.15 Review and Generate QR code*

Figure 4.15 shows the review and generate QR code page. After the user check the details. They will review it by approving or rejecting the permit and if they approved, they will go to the generate QR code page where user can generate the QR code based on the travel date from their permit application.

Graphical user interface, application

Description automatically generated

*Figure 4.16 Rejected reasons*

Figure 4.16 shows the screen if the user reject the applicant’s permit. They have to state the reasons and this will appear when the enforcement officer scan the rejected applicants, they can view the reasons.

Graphical user interface, application, Teams

Description automatically generated

*Figure 4.17 Statistics*

Figure 4.17 shows the statistics page of the applicants that requested for an Interstate Travel permit.

Table

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Table

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