

ReportForPlag.pdf

by

Submission date: 08-Dec-2021 10:52AM (UTC+0530)

Submission ID: 1724144230

File name: ReportForPlag.pdf (614.06K)

Word count: 2937

Character count: 15617

ABSTRACT

Tourism is a very wide domain that catches the interest of many people worldwide. But every tourist needs to plan an itinerary that could help in his trip. Various platforms available for this sake but there are several limitations and lacking are there in each of them. Trip provides a full-fledged solution to the customer. Different services like hotel booking, e-commerce, food and, travel could be planned on a single platform only. The application will also be embedded with guide and support option which will help the user whenever needed. We designed here plans as an iterative process where the user at first will give feed-back on interest selection, then system will provide the best option on the basis of feedback and new set of interest of things at the last step. This process completes with the user satisfaction. Our work shows that, for each function and interest choosing, computing an itinerary is NP-complete. Our work is based on heuristics solutions and focuses to optimize to maximum for a case where interest selected by user and scores generated are directly proportional. The various results based on experiments conducted shows the effectiveness and pure quality of the proposed plan by our software.

ACKNOWLEDGEMENT

At the outset, we would like to thank our aspiring and esteemed teacher Dr. Danish Ather, who has singularly guided us for this project. This project would not have been possible without his ardent support, bringing out the best in us. We would also like to thank us-

The teammates for the excellence comradeship and enthusiasm we built in ourselves for this project. We would also like to thank our parents for the valuable suggestions and support.

LIST OF FIGURES

BLOCK DIAGRAM

USE CASE DIAGRAM

ENTITY RELATION DIAGRAM

WORKFLOW

INTRODUCTION

Everyone likes to travel but planning an itinerary for that trip is one of a major hustle that everyone feels. When it comes for selecting interest point of an individual, it searches for the most interesting places around the city and matches it with the user interest maintaining the time they spend there and measuring the satisfaction level of the user with lowest possible budget. The plan managing apps like trivago and make my trip does provide the itinerary management but they do provide a limited facilities to the user and then a user needs to go to certain other places for the rest of the things. Although there were significant drawbacks that were not tailored according to the user interest at that moment. As for a first timer visitor to Delhi, India Gate could be an interesting place to visit but for a regular person the interest could be to visit Akshardham temple or lotus temple. Then the major task is to find service which could take you to those places satisfactorily. The main problem after all this when is budget which comes to one's mind as everyone is having their own limit. There are also the things to keep in mind as there might be a person came for night layover or a person who has come to the city for a month or more on a vacation. Thus, all these things must be planned beforehand.

Because a travel plan may have a variety of functions for all types of traveller, it's critical ² for a travel agency person to understand all the requirements of his target market. A typical business traveler's schedule may include information about meetings, activities, and contacts, with some time set aside for leisure travel, whereas a leisure traveler's itinerary would focus on locations, places of interest, and modes of transportation. Online trip planners such as Sygic, Roadtrippers, and Triphobo.com assist adapt to various traveller profiles by making information more accessible and giving a tool for more efficiently organising a travel schedule.

PROBLEM FORMULATION

PROBLEM STATEMENT

When organising a whole vacation, a user must consider a variety of factors such as the travel itinerary, ticket purchases, and hotel reservations, among others.

Packing, budgeting, and coordinating trip details with travelling companions may all be stressful and irritating aspects of travel planning. Our goal was to identify a major pain point in the vacation planning process for which people have yet to find a solution, and then create a responsive website to address the problem.

Among the most common issues are:

1. The most challenging aspect of travel preparation is coordinating logistics and making collective decisions.
2. Before visiting, users often utilise blogs to learn about the local culture; however, they have no idea which blogs or articles are reliable.
3. Users prefer to pack only the necessities because they are unfamiliar with packing constraints and required items for each journey.

FORMULATION:

It is critical to create specific programmes and follow the actions below in order to achieve the objectives.

- Providing an integrated platform for carrying out all of the tasks required for trip planning.
- Providing a Safe and Secure Solution in order to protect user integrity and increase trustworthiness
- All of the different elements are integrated to make planning a vacation easier.
- A wonderful user experience will emerge from proper planning and synchronisation.

REQUIREMENTS OF THE PROJECT

In this project we will be using these following Hardware:

- Minimum Laptop or CPU Processor i3 or more
- Minimum 2 GB RAM
- Stable Internet Connection

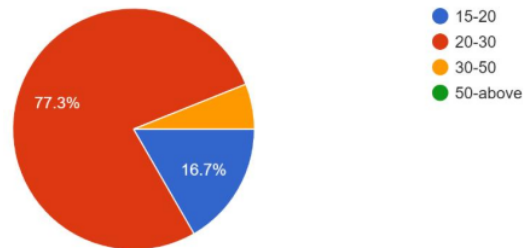
This project we are using these following Software:

- Android studio
- Flutter (Dart)
- VS Code
- Mongo DB
- React-Node with js/mernstack

LITERATURE SURVEY

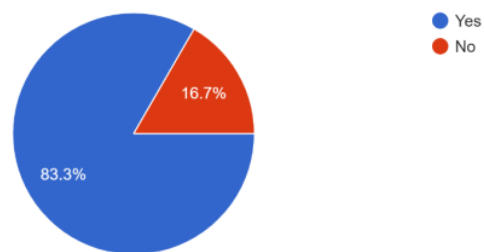
What is your Age group

66 responses



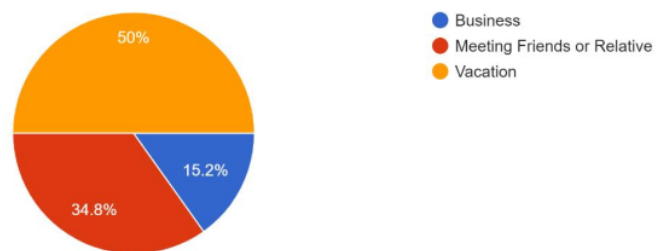
Have you Used any Online Booking App Website or App

66 responses



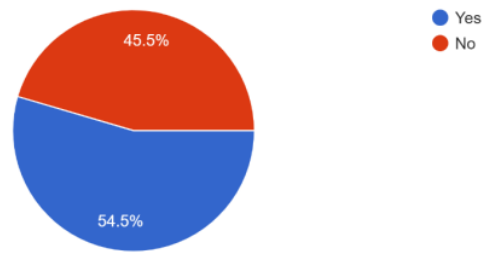
What Type of Trips you do generally?

66 responses



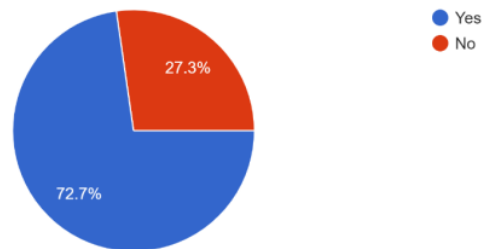
Have you used any app in which all type of bookings are available like food ,cab,hotels, and shopping also ?

66 responses



Do you Want to use All the Booking and shopping in a single Website or App?

66 responses



LITERATURE REVIEW

ADVANTAGES	DISADVANTAGES	RESEARCH WORK
<p>There's no need to phone a taxi company to order a cab.</p> <p>Enhance business processes, group reservations, 24-hour reservations, security, and user-friendly software.</p>	<p>If any of the drivers on a given route is unavailable, it takes a long time to confirm your travel.</p> <p>It exacerbates traffic and pollution issues.</p>	<p>http://www.ir.juit.ac.in:8080/jspui/bitstream/123456789/17327/1/121294.pdf</p>
<p>reduce the expense of providing and maintaining parking spaces</p> <p>resolving issues arising from excessive parking demand</p>	<p>A lot of planning is required, which takes a long time. I mean, a great deal! Researching everything, reading reviews, and visiting Pinterest and websites for the best advice on what to see and do. I'm trying to decide which hotels to stay at. Everything must be scheduled. It's a huge undertaking.</p>	<p>https://web.wpi.edu/Pubs/E-project/Available/E-project-050614-054155/unrestricted/Designing_and_Developing_a_Travel-Based_Android_Application.pdf</p>
<p>In public transportation, enormous amounts of data about timetables and fares can be stored in electronic databases that can be easily examined and more complex inquiries can be addressed relatively quickly.</p>	<p>Ineffective website navigation might cause any user to become confused and abandon the site.</p>	<p>https://www.researchgate.net/publication/33038986_A_Review_of_Trip_Planning_Systems</p>
<p>Selling housing services at a low cost.</p> <p>OTAs are investing in advertising to attract new clients, which means they</p>	<p>Every sale is subject to commission rates.</p>	<p>https://www.researchgate.net/publication/228571614_Development_of_Web-Based_Transit_Trip-Planning_System_Based_on</p>

are spending less on internet marketing.advertising to attract potential customers.	Cancellation policies that are restrictive.	Service-Oriented Architecture
Every sale is subject to commission rates. Cancellation policies that are restrictive.	Because there are fewer drivers available, delivery takes longer. The use of FD increases the amount of plastic garbage in the environment.	https://www.researchgate.net/publication/342855449_Review_of_Online_Food_Delivery_Platforms_and_their_Impacts_on_Sustainability
Customers like a certain app for a variety of reasons (customer care, packaging, time of delivery).	The three apps are the only ones that are compared. The survey was done in a small area and for a small number of participants.	https://www.researchgate.net/publication/259823385_A_SURVEY_ON_TOURIST_TRIP_PLANNING_SYSTEMS
Tourists can visit popular and interesting locations in the area while they are there or on their vacation.	Assuring that this strategy will get you to your desired location. Calculate a score for each tourist attraction.	https://www.hindawi.com/journals/cin/2016/1281379/
Ensure that the customer receives the best possible pricing and complete information about the hotel. Customers do not pay any additional fees and can fully utilise their leverage in the event of cancellation or delays.	It takes a long time to search various hotel websites for the greatest rate. Calling several hotels takes a long time.	https://pmworldlibrary.net/wp-content/uploads/2018/03/pm-wj68-Mar2018-Henry-study-of-online-booking-systems-student-paper.pdf

FEASIBILITY STUDY

Costs for technology

To develop a mix of diverse websites, you'll need a high-speed Internet connection, a web server, and software. Other costs to consider include the cost of the payment method, such as accepting online payments directly from the Society's website, utilising a third-party like Pay Pal, or using an online bank, which is more expensive.

Costs for technological development

A team of programmers will be assigned to develop the essential functionally equipped requirements and program for creating the webapp.

Costs for support of consultancy

To guide you through this process, you'll need the help of ebusiness design and implementation experts.

Costs for the organisation for piloting training

Allowing admin employees who will use the system on a regular basis to test it as a training tool endeavour is always a good idea throughout the technological development of a website.

Cost for running

These costs are for the regular maintenance of the web server.

Costs for processing further change

This is the expense of training and adjusting your personnel to the new technology, mostly the tactics employed to make the transition as painless as possible.

FINANCIAL BENEFITS

Improve Cash flow

Instead of the typical 14-day wait, online payment would allow membership funds to be received the same day as the application was submitted. Enabling the process of membership to make it faster; it also entails a total reworking of the prior method of handling membership.

NON-FINANCIAL BENEFITS

Communication

Direct email marketing is quite inexpensive when ³ compared to traditional direct mail marketing. Direct email marketing allows you to express your company's message at any time of day or night.

Transparency

The membership procedure will become more transparent thanks to the Information Management Website.

SOLUTION

Our project will rely on a database. Customers' information, for example, may be efficiently stored, modified, and retrieved using a Relational Database Management System. Some of the most extensively used databases include MySQL, MongoDB, ³ MS Access, MySQL, and MS SQL.

There are some methods for making a payment. Which are:

1. Payment Methods Manually entering credit card information into current software programmes.
2. Paypal is a third-party service that provides companies with a cost-effective option ³ to accept online payments for a small transaction fee. This is the most prevalent method of internet payment acceptance.
3. Accepting payments through an online bank is the greatest option because it is secure and speedy.

Technical Solution Analysis

MongoDB was picked over the other options based on the following criteria:

- Flexibility for documents schemas
- Similar code data access
- Easy to change design
- Easy ways for querying and analysis
- Horizontal scaling easily implemented

REQUIREMENTS OF THE FROJECT

In this project we will be using these following Hardware:

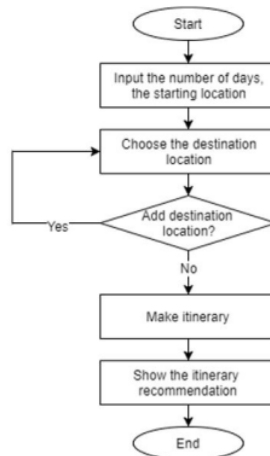
- Minimum Laptop or CPU Processor i3 or more
- Minimum 2 GB RAM
- Stable Internet Connection

This project we are using these following Software:

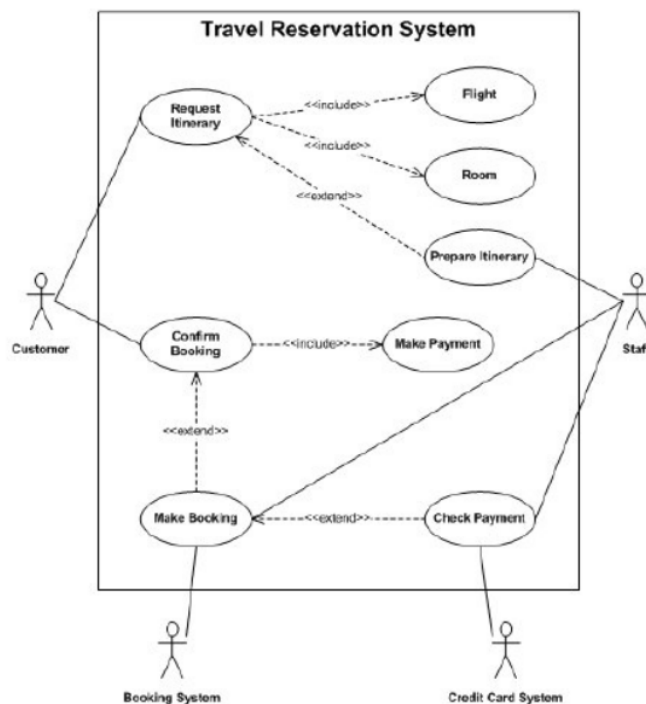
- Android studio
- Flutter (Dart)
- VS Code
- Mongo DB
- React-Node with JavaScript/mernstack

FLOWCHARTS

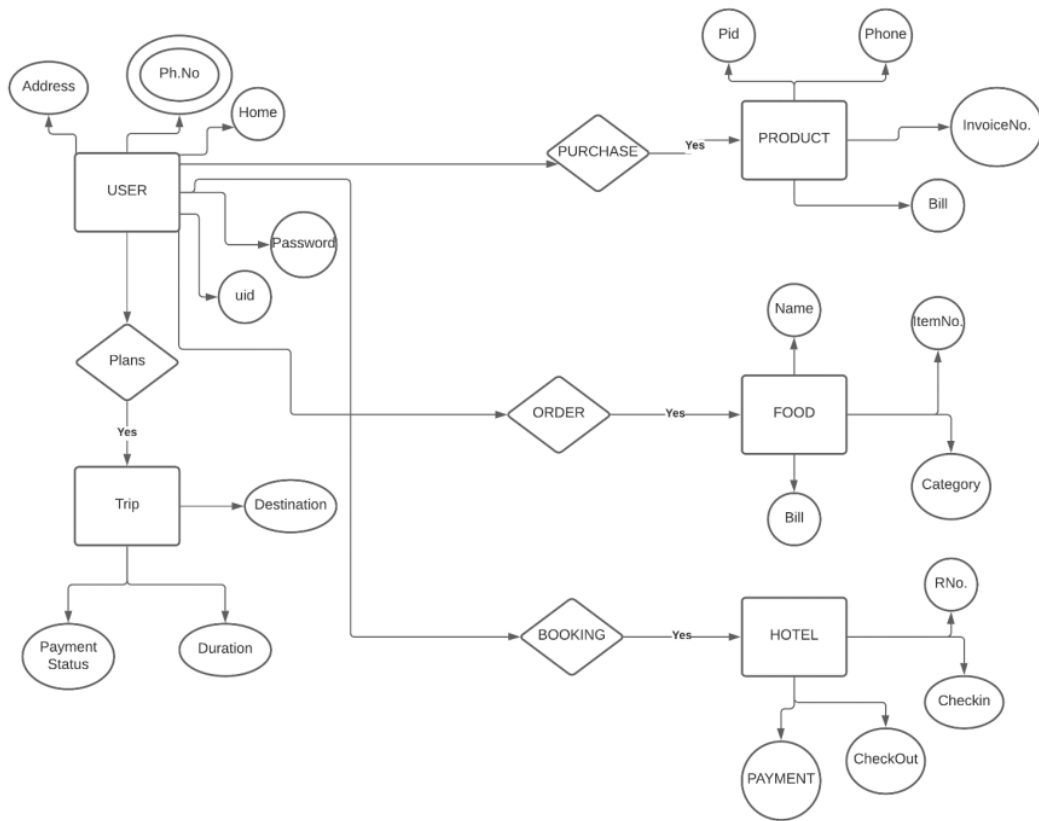
BLOCK DIAGRAM REPRESENTATION OF THE PROPOSED SYSTEM:



USE CASE DIAGRAM:



Entity Relationship Diagram



METHODOLOGY

- First we will be creating an account registration and login interface for the users which will be synced across all modules.
- Then, we will create a very simple user interface for easy navigation among all the services we provide.
- On the home page, we will be getting all the users necessary details regarding the complete tour and providing solutions accordingly.
- Starting with the travel we provide complete travel solution including flight or train bookings with all other modes.
- We also provide hotel/motel reservations for easy staying near any place.
- Our application also includes food services by nearby restaurants also providing delivery facilities.
- An e-commerce service will also be provided for all the essentials need for travel shopping. This will separately include different section for owners and shoppers.
- Complete tourism guide will also be provided including all the guide maps with user reviews.
- And, at last we will also try to add a feature which will send the final bill to the customers and will also try to send the payroll information to the employees.

PROJECT PLAN

All Sections:

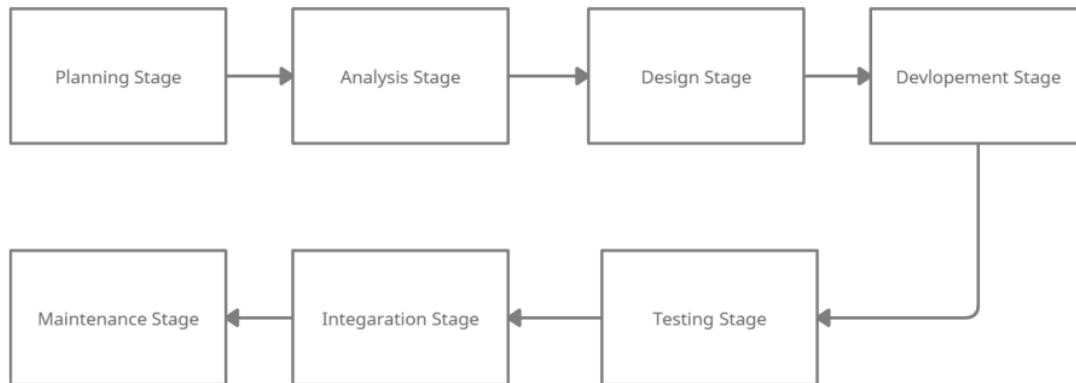
1. Register/Login UI: This section will contain a form for the users to register or login, at the starting of the application.
2. Service Page: It will be a basic design page, showcasing all the provided services in different sections.
3. Staff Payroll Management: This section will have a complete system to keep a record of all its staff members and their respective payroll, by filling up some entries.
4. Inventory Management: This section will have the system for noting down all the inventory related information.
5. Bill Generator: This section will be handy for generating an invoice for any kind of purchase or order placed, and will also provide a QR code for the bill.

Features:

1. Secured Register/Login: The owner will have to register him/her and then him/she can login into the application, by filling up the form, and we would also try to provide a feature for forgot password.
2. Easy UI: The UI of all the pages will be user friendly and easy to navigate, according to Indian users.
3. Payroll Management Feature: The owner can have a full record of all its staff members and their payrolls.
4. Inventory Management Feature: According to their need, the owner can have a full record of all the inventory of its business.
5. Bill Generator Feature: This feature will help the owner for generating an invoice for any kind of purchase or order placed, and will also provide a QR code for the bill.

DESIGN AND TESTING

Designing Phase:



The Project is designed based on four fundamental values:

- The user interface and the ineractions with the individuals has prime importance than processes and instruments.
- Building a Good Software require great documentation.
- Expanding the customer chain on a large scale is given more priority than negotiating contracts.
- Adapting to change is preferable to sticking to strict plans.

Testing Phase:

1) Functionality Testing:

Checking all the links on the webpage along with all the database functionalities,all the text forms submissions and much more.

Checking all different links such as:

- Checking all the redirectional page links from all the web pages to fulfil the request.
- Make sure all internal links are working.
- Finally, link checking entails verifying all of the above-mentioned links for broken links.

2) Usability testing:

It implies the sequence of judging a page responsiveness i.e. checking its behaviour on human interaction and checking for all the flaws that needs to be corrected

- Easy learning
- Easy navigation between different sections
- General appearance

3) Interface testing:

The server-side interface should be checked during web testing. This can be accomplished by ensuring that the communication is carried out correctly. The server's compatibility with software, hardware, the network, and the database should all be checked.

The main interfaces are:

- Application server interface
- Web server interface.
- Database server interface.

4) Performance Testing:

The web application must function with its full potential even in the presence of heavy traffic.

- Web Load Testing is an important part of web performance testing.
- Stress Testing on the Web

Test the app's performance with ⁵various internet connection speeds.

¹Web load testing is required to determine whether or not a large number of users are accessing or requesting the same page. Is the system capable of handling peak loads? The site should be able to handle a huge number of simultaneous user requests, significant amounts of ⁵data from users, multiple connections to the database, excessive demand on specific pages, and so on.

¹Web Stress Testing: When a system is stressed, it is stretched beyond its set boundaries. Web stress testing is used to break a website by putting it under stress and then observing how the system reacts to the stress and recovers from crashes.

5) Security Testing

Perform a test by typing the internal URL into your browser's address bar without logging in. Internal pages are not suggested to be opened. Try changing the URL parameters directly if you're browsing internal sites while logged in with your username and password. If you're looking at the data for a publisher site with the ID=009, for example. Replace the current logged-in user's site ID in the URL site ID parameter. The capacity of this person to look at other people's stats should be limited.

THE WORKFLOW OF OUR PROJECT WILL BE AS FOLLOWS

7 th SEMESTER
E-Commerce Module
Hotel Booking Application
Food Ordering Website
Authentication and dashboard of the website created
8 th SEMESTER

REFERENCES

- [1] J. Whittaker, *Graphical Models in Applied Multivariate Statistics*. Wiley, 1990.
- [2] T.M. Mitchell, *Machine Learning*. New York: McGraw-Hill, 1997.
- [3] K. Chen and S. Har-Peled, "The Euclidean orienteering problem revisited," *SICOMP*, vol. 38, no. 1, pp. 385–397, 2008.
- [4] T. H. Cormen, C. E. Leiserson, R. L. Rivest, and C. Stein, *Introduction to Algorithms, Second Edition*. The MIT Press and McGraw-Hill Book Company, 2001.
- [5] R. Fagin and et. al., "Optimal Aggregation Algorithms for Middleware," in *PODS*, 2001.
- [6] S.B. Roy, S. Amer-Yahia, A. Chawla, G. Das, and C. Yu, "Constructing and exploring composite items," in *SIGMOD Conference*, A. K. Elmaghrabi and D. Agrawal, Eds. ACM, 2010, pp. 843–854.
- [7] K.-P. Yee, K. Swearingen, K. Li, and M. A. Hearst, "Faceted metadata for image search and browsing," in *CHI*, G. Cockton and P. Korhonen, Eds. ACM, 2003, pp. 401–408.
- [8] S. Ahern, M. Naaman, R. Nair, and J. Yang, "Worldexplorer: Visualizing aggregate data from unstructured text in geo-referenced collections," in *Proc. Joint Conference on Digital Libraries (JCDL '07)*, June 2007, pp. 1–10.

ReportForPlag.pdf

ORIGINALITY REPORT

6%

SIMILARITY INDEX

5%

INTERNET SOURCES

0%

PUBLICATIONS

3%

STUDENT PAPERS

PRIMARY SOURCES

1

Submitted to Geomatika University College

Student Paper

2%

2

en.wikipedia.org

Internet Source

2%

3

www.robabdul.com

Internet Source

1%

4

Submitted to University of Wales central institutions

Student Paper

1%

5

www.enosisbd.com

Internet Source

1%

6

Hong-Wei Wang, Zhong-Ren Peng, Qing-Chang Lu, Daniel (Jian) Sun, Cong Bai.
"ASSESSING EFFECTS OF BUS SERVICE QUALITY ON PASSENGERS' TAXI-HIRING BEHAVIOR", Transport, 2018

Publication

<1%

Exclude quotes On

Exclude bibliography On

Exclude matches

< 10 words