Contents

Abstract

The project is entitled "Packers and Movers." Packer and Movers Web Application is a unified portal connecting load owners, truck brokers, transport companies, truck agents, truck and fleet owners, packers and movers, and others for efficient movement of goods. The Packer and Movers Web Application is convenient and intends to simplify the movement of goods by providing numerous options and creating a transparent, reliable, and time-saving approach for transactions between consignors and transporters. We help businesses by posting their loads online and receiving multiple bids from numerous transporters. Businesses save time and money by using our huge transportation network. Our platform facilitates load owners to book trucks online across India. Businesses can approach transport companies, truck owners, and logistics providers on a single platform. The Packer and Movers Web Application enables transporters to view multiple freight opportunities. It allows them to quote competitive truck fares to book a load. Transporters can work with numerous businesses across India and expand their trucking business. It has a user-friendly interface, and our team is dedicated to making each user's experience pleasant and beneficial. It's an online marketplace where the business owner and the transporter can work together in a transparent and mutually beneficial environment.

Any person that has a load of material to be transported from one place to another The person or organisation can be the owner of the load or an associate of the owner of the load. Transporters like fleet owners, truck owners, transport companies or agencies, truck brokers, business owners, etc. that have trucks available for movement from one place to another Being a well-known organisation with the latest fashion trends, we have come up with an attractive range of truck transportation services. This service is offered with the pioneered techniques.

Chapter 1

Introduction

Packers and Movers," a web application that connects load owners, truck brokers, transport companies, truck agents, truck and fleet owners, packers and movers, and others for efficient movement of goods. The focal problem addressed by this project is the lack of a unified platform for load owners and transporters to connect and simplify the movement of goods. This often leads to delays, inefficiencies, and higher costs for businesses.

The current context or situation analysis reveals that the logistics industry in India is highly fragmented, with numerous intermediaries and a lack of transparency. This results in a suboptimal utilization of available trucks and resources, leading to higher transportation costs and delays. The objectives of the project are to create a transparent, reliable, and time-saving approach for transactions between consignors and transporters and to simplify the movement of goods by providing numerous options.
supply chain management. It will discuss the benefits of using a unified platform for businesses and transporters, the impact of technology on the logistics industry, and the importance of transparency The case study is significant because it provides an innovative solution to the problem of fragmentation and inefficiencies in the logistics industry. The project uses the latest technology to create a user-friendly interface that connects load owners and transporters on a single platform. It also offers numerous options for businesses to choose from, thereby creating a competitive environment that reduces costs and improves efficiency.

The unique approach used by the project is to create a unified portal that connects all stakeholders in the logistics industry. This includes load owners, truck brokers, transport companies, truck agents, truck and fleet owners, packers, and movers. The project leverages the power of the internet and technology to provide a seamless and efficient way for businesses to post their loads online and receive multiple bids from numerous transporters. This saves time and money for businesses and expands the trucking business for transporters.

The report will analyze the project's results using theories and concepts related to logistics and in creating a competitive environment.

Chapter 2

Literature Survey

The topic area of this project is the transportation and logistics industry, particularly the movement of goods from one place to another. There is a wealth of literature available in this field, including academic research, industry reports, and news articles.

Academic research in this area has focused on various topics such as transportation network optimization, logistics management, and supply chain optimization. For example, a study by Li et al. (2019) explored the optimization of transportation networks for the delivery of fresh produce. The study used a mixed integer linear programming model to minimize transportation costs while considering various constraints, such as delivery time windows and vehicle capacity. Similarly, a study by Ouyang et al. (2019) developed an optimization model for the integrated management of transportation and inventory in a supply chain.

In terms of industry reports, there are numerous publications that provide insights into the transportation and logistics market. For instance, a report by Allied Market Research (2020) analyzed the global logistics market and predicted significant growth over the next several years. The report also highlighted various trends in the industry, such as the increasing use of technology and automation to improve efficiency.

Finally, news articles offer a real-time view of the transportation and logistics industry and its current challenges and opportunities. For example, recent articles have covered topics such as the impact of COVID-19 on the industry, the increasing demand for e-commerce deliveries, and the growing adoption of electric vehicles in logistics.

Overall, the literature survey indicates that the transportation and logistics industry is a dynamic and growing field, with ongoing research and innovation in areas such as network optimization, logistics management, and supply chain optimization. The Packer and Movers Web Application appears to be a useful addition to this industry, providing a convenient and efficient platform for connecting load owners with transporters and simplifying the movement.

Chapter 3

Methodology

1. Database design: The project may involve designing and developing a database that can store information about service providers, including their location, services provided, contact information, reviews, ratings, and pricing.

2. Geographic Information Systems (GIS): GIS can be used to analyze and display geographical data related to service providers, such as their location and service coverage area.

3. Location-based services (LBS): The project may use LBS technologies to enable users to find nearby service providers based on their location.

4. Web development: The project may involve developing a website or mobile application that users can use to search for and access information about service providers.

5. User experience (UX) design: The project may involve designing a user-friendly and intuitive interface that allows users to easily search for and access information about service providers.

6. Data analysis and machine learning: The project may involve analyzing data from user interactions, such as search queries and reviews, to improve the accuracy of search results and recommendations.

7. Service provider onboarding: The project may involve onboarding and verifying service providers to ensure the accuracy and reliability of their information in the database.

8. Overall, the methodologies used in the "Service Providing Center Near to Me" project are aimed at enabling users to easily find nearby service providers and improving the accuracy and reliability of the information available about those providers.

3.1 Proposed system

The proposed System will overcome the disadvantages of traditional way of moving items

The system contains standard charges for every shifting .

Customers can choose from a variety of packers

Customers can add their feedback

customers can cancel the agreement anytime

3.2 Technologies Used

3.2.1 Node J S

Node.js is a cross-platform, open-source server environment that can run on Windows, Linux, Unix, macOS, and more. Node.js is a back-end JavaScript runtime environment, runs on the V8 JavaScript Engine, and executes JavaScript code outside a web browser.

Node.js lets developers use JavaScript to write command line tools and for server-side scripting. The ability to run JavaScript code on the server is often used to generate dynamic web page content before the page is sent to the user's web browser. Consequently, Node.js represents a "JavaScript everywhere" paradigm, unifying web-application development around a single programming language, as opposed to using different languages for the server- versus client-side programming.

Node.js was written initially by Ryan Dahl in 2009, about thirteen years after the introduction of the first server-side JavaScript environment, Netscape's LiveWire Pro Web. The initial release supported only Linux and Mac OS X. Its development and maintenance was led by Dahl and later sponsored by Joyent.

Dahl criticized the limited possibilities of the most popular web server in 2009, Apache HTTP Server, to handle a lot of concurrent connections (up to 10,000 and more) and the most common way of creating code (sequential programming), when code either blocked the entire process or implied multiple execution stacks in the case of simultaneous connections.

Dahl demonstrated the project at the inaugural European JSConf on November 8, 2009. Node.js combined Google's V8 JavaScript engine, an event loop, and a low-level I/O API.

In January 2010, a package manager was introduced for the Node.js environment called *npm*. The package manager makes it easier for programmers to publish and share source

code of Node.js packages and is designed to simplify installation, updating, and uninstallation of packages.

In June 2011, Microsoft and Joyent implemented a native Windows version of Node.js. The first Node.js build supporting Windows was released in July 2011.

In January 2012, Dahl stepped aside, promoting coworker and *npm* creator Isaac Schlueter to manage the project. In January 2014, Schlueter announced that Timothy J. Fontaine would lead the project. In December 2014, Fedor Indutny started io.js, a fork of Node.js. Due to the internal conflict over Joyent's governance, io.js was created as an open governance alternative with a separate technical committee. Unlike Node.js, the authors planned to keep io.js up-to-date with the latest releases of the Google V8 JavaScript engine.

In February 2015, the intent to form a neutral Node.js Foundation was announced. By June 2015, the Node.js and io.js communities voted to work together under the Node.js Foundation.

In September 2015, Node.js v0.12 and io.js v3.3 were merged back together into Node v4.0. This merge brought V8 ES6 features into Node.js and a long-term support release cycle. As of 2016, the io.js website recommends that developers switch back to Node.js and that no further releases of io.js are planned due to the merge.

In 2019, the JS Foundation and Node.js Foundation merged to form the OpenJS Foundation.

On February 21 2023, Node.js 19.7.0 was released.

3.2.2 React

React (also known as React.js or ReactJS) is a free and open-source front-end JavaScript library[3] for building user interfaces based on components. It is maintained by Meta (formerly Facebook) and a community of individual developers and companies.[4][5][6]

React can be used as a base in the development of single-page, mobile, or server-rendered applications with frameworks like Next.js. However, React is only concerned with the user interface and rendering components to the DOM, so creating React applications usually requires the use of additional libraries for routing, as well as certain client-side functionality. On February 16, 2019, React 16.8 was released to the public. The release introduced React Hooks. Hooks are

functions that let developers "hook into" React state and lifecycle features from function components. Hooks do not work inside classes — they let developers use React without classes.

React provides a few built-in hooks like useState, useContext, useReducer ,useMemo and useEffect. Others are documented in the Hooks API Reference. useState and useEffect, which are the most commonly used, are for controlling state and side effects respectively.

Rules of hooks

There are rules of hooks which describe the characteristic code pattern that hooks rely on. It is the modern way to handle state with React.

- Hooks should only be called at the top level (not inside loops or if statements).
- Hooks should only be called from React function components and custom hooks, not normal functions or class components.

Although these rules can't be enforced at runtime, code analysis tools such as linters can be configured to detect many mistakes during development. The rules apply to both usage of hooks and the implementation of custom hooks which may call other hooks.

JSX, or JavaScript Syntax Extension, is an extension to the JavaScript language syntax. Similar in appearance to HTML, JSX provides a way to structure component rendering using syntax familiar to many developers. React components are typically written using JSX, although they do not have to be (components may also be written in pure JavaScript). JSX is similar to another extension syntax created by Facebook for PHP called XHP.

The basic architecture of React applies beyond rendering HTML in the browser. For example, Facebook has dynamic charts that render to <canvas> tags and Netflix and PayPal use universal loading to render identical HTML on both the server and client.

Server-side rendering refers to the process of rendering a client-side JavaScript application on the server, rather than in the browser. This can improve the performance of the application, especially for users on slower connections or devices.

With server-side rendering, the initial HTML that is sent to the client includes the fully rendered UI of the application. This allows the client's browser to display the UI immediately, rather than having to wait for the JavaScript to download and execute before rendering the UI.

React supports server-side rendering, which allows developers to render React components on the server and send the resulting HTML to the client. This can be useful for improving the performance of the application, as well as for search engine optimization (SEO) purposes.

3.2.3 Express J S

Express.js, or simply **Express**, is a back end web application framework for building RESTful APIs with Node.js, released as free and open-source software under the MIT License. It is designed for building web applications and APIs. It has been called the de facto standard server framework for Node.js.

The original author, TJ Holowaychuk, described it as a Sinatra-inspired server, meaning that it is relatively minimal with many features available as plugins. Express is the back-end component of popular development stacks like the MEAN, MERN or MEVN stack, together with the MongoDB database software and a JavaScript front-end framework or library.

Express.js was founded by TJ Holowaychuk. The first release, according to Express.js's GitHub repository, was on 22 May 2010. Version 0.12

In June 2014, rights to manage the project were acquired by StrongLoop. StrongLoop was acquired by IBM in September 2015; in January 2016, IBM announced that it would place Express.js under the stewardship of the Node.js Foundation incubator.

- Robust routing
- Concentrate on high-performance
- HTTP helpers (redirection, caching, etc)

3.3 Working of Modules

3.3.1 Admin

The admin login in to the system and adds the service providers and clients to the system. The service providers and clients may also register themselves with the system. In the latter case the admin should approve the service provider and client for further access privileges. The admin adds different services and various location to the system. The admin approved service providers can choose their services and locations from the available services.

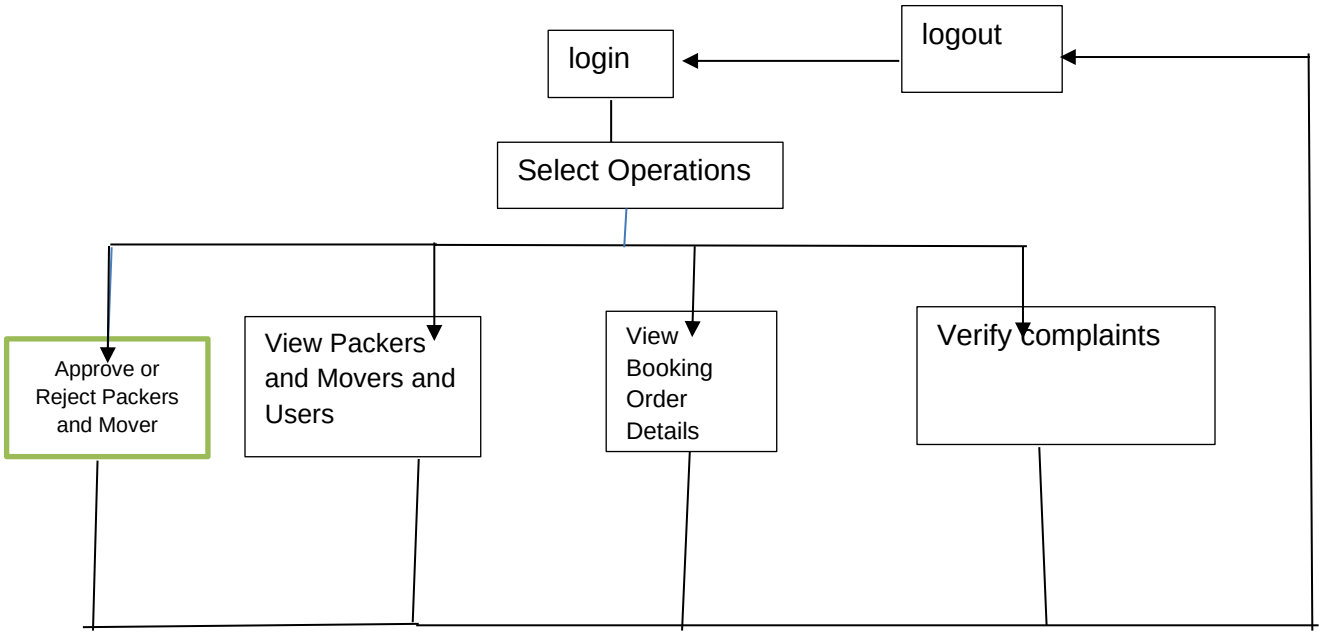

Figure 3.1 Admin Workflow

3.3.2 User Module

The User Module provides functionalities related to Users or visitors who are the end users of the Packers and Movers application. Users can book workers from the platform using this module. The User Module allows users to register, login, view all Packers and Movers, book orders, track their orders, edit their profiles, add ratings, and logout. User can also do the payments.

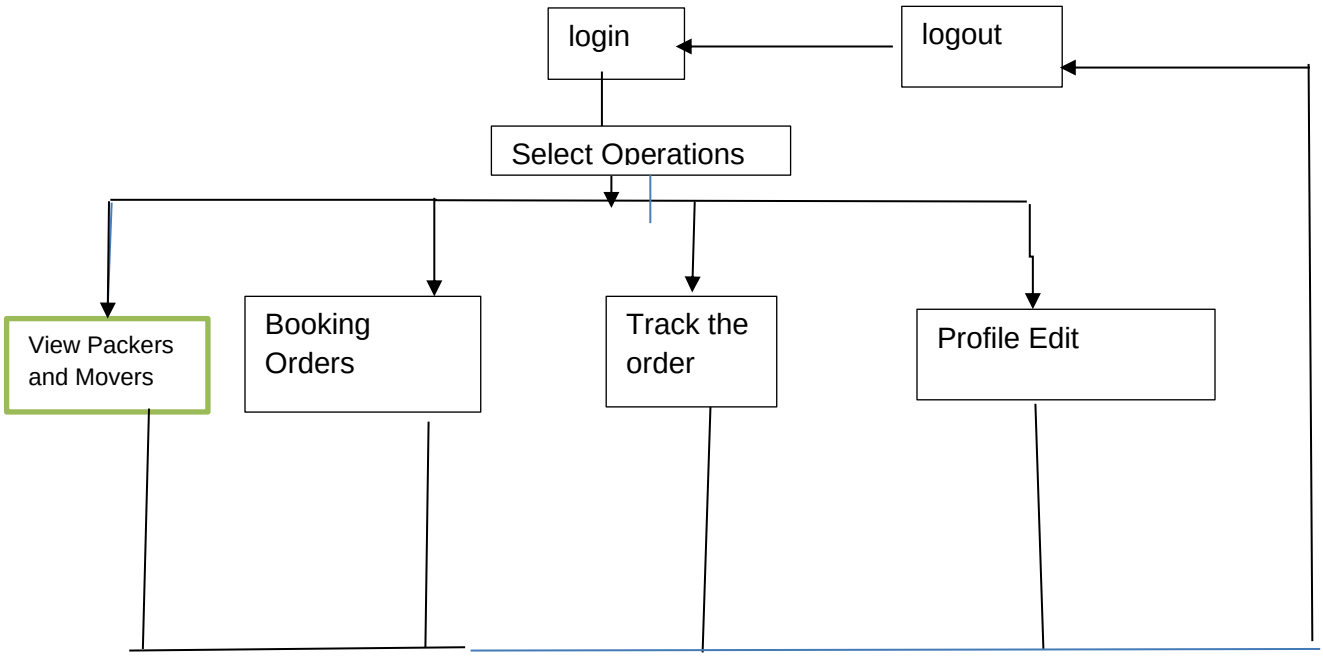

Figure 3.2: User Workflow

3.3.3 Packers and Movers

The Packers and Movers Module provides functionalities related to workers. Workers can register, login, accept or reject orders, view bookings, update track orders, view ratings, and logout using this module. The main activities that come under this module are related to workers and their interaction with the platform.

Chapter 4

Result and Discussion

Testing is the major quality measures employed during the software development. After the coding phase, computer programs available are executed for testing purpose. Testing not only has to uncover errors introduced during coding, but also locates errors committed during previous phase. Thus the aim testing is to uncover requirements design or coding errors in the program.

- Testing is a process of executing a program with intension of finding an error.
- A good test case is on that has a highest probability of finding an as yet undiscovered error.
- A successful testing is one that covers an as yet undiscovered error

Our objective is to design tests that systematically uncover different classes of errors and to do so with minimum amount of time and effort. Testing demonstrate that software functions appear to be working according to specification, that performance requirements appears to have been met. Data collected as testing is conducted provide a good indication of software reliability and some indication of software quality as a whole. But there is one thing that testing cannot do: Testing cannot show the absence of defects it can only show that software defects as present.

4.2 Test Plan

A test plan is a systematic approach to test a system. The plan typically contains a detailed understanding of what the eventual workflow will be. Normally testing of any large system will be in two parts.

• The functional verification and validation against the requirement specification

• Performance evaluation against the indicated requirements

Testing activity is involved right from the beginning of the project. At the very first stage of testing, the goals and objectives are set. This simplifies the limits or boarders of testing process. Before testing, the tester should plan what kind of data he is giving for test. Give data inputs as functional, boundary, stress, performance, usability values etc.

Characteristics of a Good Test:

- Tests are likely to catch bugs
- No redundancy
- Not too simple or too complex

Test Cases a specific set of steps and data along with expected results of a particular test objective. A test case should only test one limited subset of a feature or functionality. Test case documents for each functionality/testing area will be written, reviewed and maintained separately in excel sheets. In system testing, test data should cover the possible values of each parameter based on the requirements. Since testing every value is impractical, a few values should be chosen from each equivalence class. An equivalence class is a set of values that should all be treated the same. Ideally, test cases that check our error conditions are written separately from the functional test cases and should have steps to verify the error messages and logs. Realistically, if error test cases are not yet written, it is OK for testers to check for error conditions when performing normal functional test cases. It should be clear which test data, if any, is expected to trigger errors.

Implementation

Implementation is the process of having the system personnel check out and put new equipment to use, train the users to use the new system and construct any file that are needed to see it. The final and impartment phases in the system life cycle are the implementation of the new system. System implementation refers to the steps necessary to install a new system to put into operation. The implementation has different meaning, ranging from the conversion of a basic application to complete replacement of computer system. Implementation includes all these activities that take place to convert from old system to new one. The new system may be totally new replacing an existing manual or automated system or it may be major modification to an

existing system. The methods of implementation and time scale adopted are found out initially. The system is tested properly and at the same time the users are trained in the new procedure. Proper implementation is essential to provide a reliable system to meet organizational requirements. Successful implementations may not guarantee improvement in the organization involves the following things:

• Careful planning
• Investigation of the system and constraint
• Design the methods to achieve the changeover.
• Train the staff in the changed phase
• Evaluation of change over method Implementation methods

There are several methods for handling the implementation and consequent conversation from the old to new automated system. The most secure for this conversation is to run the old and new system in parallel. This method offers high security but the cost for maintaining the two systems in parallel is very high. Another method is direct cut over the existing system to automated system. The chance may take place within a week or within a day. Implementation Phase It includes a description of all activities that most occur to implement the new system and put into operation. It consists of the following steps:

• List all files required for the implementation.
• Identify all data required to build new files during the implementation
• List all new document and procedure that go to the new system.

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Chapter 5

Conclusion

In conclusion, the "Packers and Movers" web application is an innovative solution that addresses the problems of fragmentation, inefficiencies, and lack of transparency in the logistics industry. By providing a unified platform that connects load owners and transporters, the project creates a transparent, reliable, and time-saving approach for transactions between consignors and transporters.

The project's unique approach of leveraging technology to create a user-friendly interface has proven to be effective in simplifying the movement of goods and expanding the trucking business for transporters. Businesses save time and money by using the platform's huge transportation network, and transporters can view multiple freight opportunities and quote competitive truck fares to book a load.

The project's results show that a unified platform for businesses and transporters can create a competitive environment that reduces costs, improves efficiency, and increases transparency. This has significant implications for the logistics industry in India, which is highly fragmented and in need of innovative solutions to improve its efficiency.

Overall, the "Packers and Movers" project is a significant step towards creating a more efficient and transparent logistics industry in India. It demonstrates the power of technology in solving real-world problems and provides a blueprint for future innovations in the logistics sector.

Future Enhancement

While the "Packers and Movers" web application is a significant step towards improving the logistics industry in India, there is always room for improvement. Some potential future enhancements that could be considered for the project include:

Integration of real-time tracking: The project could be enhanced by integrating real-time tracking technology that allows businesses and transporters to track their shipments in real-time. This would improve transparency, reduce the risk of theft or loss of goods, and improve customer satisfaction.

Expansion to other regions: Currently, the project is limited to India. However, the platform could be expanded to other regions, which would increase its reach and potentially lead to a more global transportation network.

Integration with other logistics services: The project could be integrated with other logistics services, such as warehousing, customs clearance, and last-mile delivery. This would create an end-to-end logistics solution for businesses, making it easier for them to manage their entire supply chain.

Integration with AI and machine learning: The project could be enhanced by integrating AI and machine learning algorithms, which could improve load matching and optimize routes to reduce transportation costs and improve efficiency.

Offer additional services: The project could offer additional services, such as insurance, online payment options, and customer support. This would create a more comprehensive logistics solution for businesses and further improve their experience using the platform.

Overall, the "Packers and Movers" project has great potential for future enhancements, and the implementation of these enhancements could further improve the efficiency, transparency, and reliability of the logistics industry in India.

References

1. "Location-based Social Networks: Users, Contents, and Communities," Tsinghua Science and Technology, vol. 21, no. 2, pp. 127-140, Apr. 2016.
2. D. D. Leonard, "Proximity Marketing and Beacon Technology," Journal of Business and Management, vol. 22, no. 1, pp. 52-56, 2016.
3. H. Kim and Y. K. Kim, "The Impact of Geo-Social Media on Local Business: A Case Study of Foursquare in New York City," Journal of Travel & Tourism Marketing, vol. 31, no. 7, pp. 896-907, 2014.
4. M. J. J. Hand and J. A. Shovein, "Geolocation and social media: implications for public safety and emergency response," Journal of Emergency Management, vol. 12, no. 6, pp. 467-471, 2014.
5. R. K. Prasad and P. C. P. N. Perera, "A survey on location-based social networks," ACM Computing Surveys, vol. 47, no. 4, pp. 1-35, 2015.
6. D. D. Leonard, "Proximity Marketing and Beacon Technology," Journal of Business and Management, vol. 22, no. 1, pp. 52-56, 2016.
7. A. Z. Abidin and R. W. Pewaris, "The Role of Location-Based Services in Social Media Marketing," International Journal of Management and Marketing Research, vol. 5, no. 2, pp. 41-48, 2012.
8. T. R. Clark, J. P. LaBonte, and A. J. Tingle, "Proximity marketing: location-based advertising and the future of customer engagement," Journal of Advertising Research, vol. 57, no. 4, pp. 368-377, 2017.
9. T. H. Davenport and J. C. Beck, "The Attention Economy: Understanding the New Currency of Business," Harvard Business Review, vol. 84, no. 6, pp. 30-39, 2006.
10. C. M. Chen and W. Y. Lin, "Investigating the Intention to Use Location-Based Services for Personalized Advertising," Journal of Advertising Research, vol. 56, no. 2, pp. 142-155, 2016.
11. H. K. Yen, W. T. Chen, and C. T. Chen, "The impact of mobile location-based services on the consumer decision-making process," Journal of Business Research, vol. 69, no. 11, pp. 5357-5363, 2016.

12. J. M. Suárez-Vázquez, A. M. Mora-García, and P. González-Rodríguez, "The role of location-based services in tourism: A literature review," Current Issues in Tourism, vol. 19, no. 12, pp. 1236-1262, 2016.
13. H. Wang and X. Ye, "A Study on the Impact of Social Media on Consumer Purchase Intention Based on SinaWeibo," Journal of Internet Technology, vol. 16, no. 5, pp. 825-831, 2015.
14. M. de Mont
15. P. Kumar, P. Kumar, and A. Kumar, "Location-Based Services: Challenges and Opportunities," Journal of Emerging Technologies and Innovative Research, vol. 3, no. 3, pp. 201-206, 2016.
16. H. O. Mubarak, "The impact of location-based services on consumer behavior," International Journal of Information Management, vol. 38, no. 1, pp. 252-262, 2018.
17. C. Y. Lu and C. H. Liang, "An Empirical Study of the Influence of Location-Based Services on Mobile Users' Purchase Intentions," Journal of Computer Information Systems, vol. 55, no. 3, pp. 19-28, 2015.
18. H. Al-Fadhli and R. J. Oentaryo, "Location-Based Services: A Review of Challenges and Opportunities," International Journal of Advanced Computer Science and Applications, vol. 7, no. 2, pp. 64-73, 2016.
19. H. Huang, W. Chen, and K. Su, "Examining the Relationships Among Location-Based Services, Online Reviews, and Consumer Decision Making: An Empirical Study," Journal of Travel Research, vol. 55, no. 4, pp. 521-535, 2016.
20. S. S. Hasan, "An Exploration of the Impact of Location-Based Social Networking on Physical Social Interaction," Journal of Hospitality Marketing & Management, vol. 26, no. 8, pp. 936-952, 2017.