SOFTWARE ESTIMATION DOCUMENT

Application: Driverlounges				
Document Type: Software Estimation Document				
Version	**Date**	**Author**	**Client**	**Summary**
1.0	19/12/2020	Subramani M	Mr Razak	Initial SED
1.1	20/12/2020	Subramani M	Mr Razak	Revised on the milestones

Dec 20th, 2020

Dear: Mr Razak,

Re: Enclosed Software Estimation Document

Please find enclosed our detailed software proposal for your kind consideration.

We are aware that creating client-oriented software takes a mixture of technical excellence and clear communication and our firm hires only the very best to ensure you receive both. We know that every client is unique and we strive to deliver an individual, innovative and affordable proposal every time and to follow it through with an outstanding delivery which is both on time and within budget.

We have over 9+ years of experience in web and mobile application development and our previous clients include JLL, Mezzan, Juaan, Miugodo, and Foodfex. You may also wish to review our website at www.technoduce.com to see our portfolio of previous work and learn more about our organization.

We also pride ourselves on our after-sales client-care including our staff-training and onsite and offsite support (Conditions Applied).

P.S: It would be a serious offence if you resell the application without the knowledge of Technoduce Info Solutions.

Yours Truly,

Subramani M

Business Development Executive / Technoduce Info Solutions.

Who Is Technoduce

Technoduce Info Solutions Pvt Ltd. is a leading Web and Mobile Application Development Company. We are a team of 50+ who are dedicated to serving the customers and have been functioning in the IT industry since 2011. Technoduce specializes in the fields of Web Development and Mobile Application Development. We engage in a massive endeavour of inventing and developing multiple webs and mobile applications that are suitable for all verticals of the industry.

Terms and Conditions

1. It has been requested to the client to read this document completely before making the deal or starting a project with Technoduce Info Solutions.
2. Application will be developed based on the features mentioned in this document.
3. Client has to provide all the details requested by the Project Manager in time, any delays will affect the timeline of the project.
4. Any new changes during the development stage will be considered as Change of Request (CR) and will be billed & will increase the timeline of the project delivery.
5. Delay (7 Working days) in the response from the client side will put the project on hold and will be continued only after a month from the date of client's reconnect
6. No Refund will be given because we will be spending our resources and time to build the application for you.

Process After Purchasing

1. **Step 1:** Once Technoduce Info Solutions receive the upfront payment for the project. Technoduce requires 3 - 4 working days for internal discussion and knowledge transfer to the Project Manager - Internal kick off meeting.

2. **Step 2:** A call will be scheduled among Project Manager, Client and the Business Development Executive to discuss the project and the plan of action before the project is started.

3. **Step 3:** Client is requested to send all the details mentioned in "*Things from your end*" at once to complete the project in the given timeline.

4. **Step 4:** Delay in providing details will affect the timeline for the project and Technoduce will not be responsible for it.

Technologies Stack

Website - Node js
Database - MS SQL, MONGO

Versions Supported

Node js - 7.x

Deliverables

- Web frontend for Customers
- Web Backend for Admin
- Web Backend for Agents
- Two months technical support from the project deployed date

Things from your end

- Logo
  - FPNG Format
- Colour Scheme
- Domain and SSL Certificates
  - Domain url
  - SSL Certificate for the security of the application
- SMS gateway API details
  - For OTP during customer registration
- Payment Gateway API (Choose anyone - Only one will be done for free)
- SMTP Details
  - Gmail account login details
- Google Map licensed API details
  - We require Google Map API
- DeployHQ

Scope of the Application:

Scope of the project is to design and develop an application which will facilitate the users to rent cars from the nearests available agents as per their preference and indulge the service.

The Application comprises Web Frontend for Users & Agents with Web Backend for Admin.

Stakeholders:

1. Renters - Renters can login into a web application to take the car of rental.
2. Agents - Car owner can login into web application and list their cars
3. Admin - To manage the entire activity of application

Application Language:

1. English
2. Arabic

Outline of the Application:

Web Frontend - Users / Agents

1. **Need to build renters and car owners facing web applications where they can register, browse the cars, request rent and go ahead.**
    a. Website has to be developed with current design trends
    b. Application should be compatible in most latest browsers
    c. Application will work in English only
    d. SEO standards
    e. Responsive design integration which is mobile friendly website
    f. W3C validation
    g. All the form fields should be validated in client and server side
    h. Home page should have neat banner about the concept of application
    i. Show the search option on the banner
    j. Header menus
    k. Show the latest cars in home page
    l. Show the how it works
    m. Footer

2. **Registration for renter and car owner**
    a. Renter or car owner need to register into application by name, email ID, mobile number, passport / IC number, country, area, password, type (Renter | Car owner) and driver license.
    b. Users should verify the email and mobile number by verification code. We can generate the OTP code to email and mobile number separately.
    c. Users can do the registration by Facebook connection. Suppose if facebook is not providing the required information like email or phone number, we need to request it from renter at the same time to move ahead.
    d. A car owner should be able to register and verify their account automatically. Only their car documents will need to be verified by Drivelounges staff.
    e. Renter's should also be able to register and verify their email and phone automatically, this will allow them to search cars and use the system without being able to Request a car. They should have a notification on their screens stating they need to "Get approved for driving/renting" first, and this should be on their profile, come up as a popup when they log in (obviously only if they aren't already approved), and if they click on "Book Car".
3. **Login and forgot password**
    a. Renter or owner can login into the application using their mobile number and password.
        i. Login with Facebook connect
        ii. Forgot password – Users can request the password by mobile number.
4. **After the login process**
    a. Once users logged into the application, they can do the following actions.
        i. Search
        ii. Requests
        iii. Payments
        iv. Account
    b. Edit profile – Renter or owner can edit their profile. Also we need to verify the changes of email and mobile number.
    c. Address book – Add multiple addresses like office, house, hospital and etc.., It should have an add, edit and delete option.
    d. Change password – Users can change the password
    e. My ratings – View the list of rating and review by renters which is posted to the car owner. It should have an edit and delete option and vice versa for car owners.
    f. Sign out

g. Contact us – Owner can submit the contact form. Also we need to show the Email, Mobile number to our customer care support.

5. **List a car by car owner**
    a. Car owners can add a new car or they can manage the added car from this page.
        i. Add a car – Car owners need to enter the car details and get the approval from Drivelounges staff to go live.
        ii. Select model, make and year
        iii. Enter the mileage per km
        iv. Photos – Upload the photos of the car. It should have max 5 photos.
        v. Documents – Car owners need to upload the following documents one by one.
            1. Copy of car grant
            2. Latest service receipt
            3. Road tax
            4. Insurance document
            5. Authorized inspection results
        vi. Owner need to check the features of their vehicle
            1. Radio / CD player / MP3 player
            2. PEN Driver
            3. GPS
            4. DVD player
            5. Hybrid
            6. Automatic Transmission
            7. Manual Transmission
        vii. Set car availability date and time
6. **Set car delivery and pick up option**
    a. If it is free delivery, they need to add the pickup area. We need to use the google places API to show the area.
    b. If it is delivery, they need to enter the pickup charge. Theowner can also charge for delivery options to specific areas, and thus make more money from his transaction. Hence this needs to be added on the booking form so that the renter is also aware of any additional costs for delivery.
        i. Once the entire car has been added, it will be available on my car list with status, edit and delete options.
        ii. Admin need to check the car details in the back end and verify it. Once it has been approved, the car owner will receive the push notification of approved status.
        iii. Of course, car owners can see a list of added cars on the same page. It should have status, posted date, edit and delete option.

1. Edit – Car owners can edit the full information. Of course, change should be approved by the admin to be in live.

2. Delete – Car owner able to delete it. It should get the prompt option to do.

7. **Search**
    a. Renter can find the available cars based on their GPS location, area and request for rent.
        i. Renter can see the available cars based on their search or current location in google map within X Km distance. Also they can filter the cars with the below option.
            1. Type: 4*4, Mini, Sedan
            2. Area of the city
            3. Make
            4. Model
            5. Year
            6. Available with driver (Checkbox)
            7. Additional features
                a. Radio / CD player / MP3 player
                b. PEN Driver
                c. GPS
                d. DVD player
                e. Hybrid
                f. Automatic Transmission
                g. Manual Transmission
                h. Rooftop available
    b. Car profile –Renter can view the full profile of a car by tapping on the carpointer on the map. It should have complete details of car
        i. Show the mode, type and year as car name
        ii. Show the photos of car
        iii. View the description of car along with additional features like GPS, Automatic transmission, pen driver
        iv. Show the availability of cars on the calendar. It should be colored for booked dates in the calendar.
        v. Show the price per day
        vi. Show the location of car, delivery or pick up of car based on settings. Also we need to show the location in google map.
    c. Owner profile
        i. Need to show the name, photo, response rate, response time, GSM call and whatsapp chat option.

ii. Show the rate and reviews of owners in the car details page.

iii. Show a counter on the cars that giver real time stats of how many people are viewing the same car, ie. “There are currently 5 people interested in this car” – similar to Booking.com and many other
iv. hotel websites. If there is no one looking at the car, it must not appear at all.
v. Add to your favorite list – Users can add the car into their favorite list. So they can view their favorite list
vi. Rent this car button – Users can request a car to rent.
vii. It should show the summary of price per day or hour, delivery / pick up location, delivery cost (If applicable), rent deposit amount, service tax. Once it has been confirmed by renter, they need to process the payment.
viii. Once the payment is successful, Car owner and renter will receive the email and SMS.

8. **Payment gateway integration**
   a. Need to integrate one payment gateway.
   b. While renter confirming the car, we need to get the credit or debit card information from renter and process the payment via gateway. They can do it by credit and debit card.
   c. Also we can have the option to save the card information or we can retrieve the saved card details in the payment process.
   d. By default, Rent booking request payment + Rent deposit amount will be available in escrow account. While the rent is confirmed by the car owner & end of rent, the payment will be transferred to the owner account + 25% of commission will be transferred to Drivelounges account. Suppose if the renter or car owner cancelled the rent request, payment will be returned to the renter account itself.
   e. if there's an issue with the car, the renter gets a full refund without us having to hassle with the owner to pay the money back
   f. If the car is returned with damage, we still hold the deposit which we can pay the owner or his insurance to cover the excess.
   g. If all goes well, then we pay the owner his dividend, minus our commission, and pay the renter his deposit back.
   h. Client has to share the payment gateway documentation for integration purposes.
9. **Requests**
   a. Renter or owner can see the list of his requests for various cars about the rental.

b. View the full information of a particular rental request.

c. Requests should have renter name, request ID, Pick up and Return time, delivery / pickup location. Drop off location, owner name, Price andStatus by default as pending.
d. Renter can tap the owner name and view the full profile information, rating, location, Of course, Owner can view the renter profile and do the necessary actions.
e. Vehicle pick up
   i. Renters need to decide vehicle pickup whether pick up or delivery.
   ii. Before taking over the car, renter needs to take a picture of the car and upload it against rent request under the "Damages to profile" section. Max can upload 10 photos against each request.
   iii. If delivered, the owner will bring the car and give it to renter in a planned place. Owner needs to verify the license manually and hand over the key to renter. Of course, Owner will tap on the button called
   iv. "START RENT". Office rent will progress.
f. Drop off
   i. After the completion of rent, they can Whatsapp Chat together and decide the drop off location. While the car owner receives the car, they will verify manually and get the car. Once they receive it, they need to tap on "END RENT".
   ii. Once tapped on END TRIP, we need to pop up and get the rating and review of the renter. It should have a rate, comment and submit button. Similarly renter needs to end the trip. So renters can rate and comment on car owners.

10. **Payments**
   a. Once the rent is completed, car owners will receive their payment into their bank account. Renter can see the list of payment lists with transaction summary.
   b. Filter the payment by date, weekly and monthly
   c. View the full information of a particular transaction. It should show the transaction ID, amount, status, Rent request ID and date & time.
11. **Static pages**
   a. We should have CMS pages like about us, how it works, contact us, Privacy policy, Terms and condition

Web Backend for Admin

1. DCMS is mainly for providing administration for moderators or administrators for our application, where they can manage the entire data of web applications.
2. **Admin Login & Settings**
    a. Dashboard and Analytics
    b. It should have a graphical chart of car owners, renters, rent requests and payment transactions.
    c. Admin settings [password changes, Edit account and Logout]
3. **Settings Module**
    a. General settings – it should have site name, Meta details, contact details, default currency, default country, Service TAX, rent deposit amount, VAT
    b. Email and contact settings
    c. SMTP mailer Settings
    d. Payment gateway settings
    e. Admin should have the option to set up general configuration of payment gateway. Ex: Mode: Live or Test, Merchant account
    f. SMS gateway settings
    g. Admin should have the option to set up general configuration of SMS gateway. Ex: Mode: Live or Test, Username and password.
    h. Image settings
        i. Logo settings
        ii. Favicon settings
    i. Country & Cities management
        i. Add city & country
        ii. Manage Cities [Add, edit, delete, block/unblock]
    j. CMS page management
        i. Add new CMS pages
        ii. Manage CMS pages [Add, edit, delete the pages]
        iii. Manage inquiries from contact us form
    k. FAQ
        i. Add FAQ
        ii. Manage FAQ [Edit, delete]
4. **Master data management**
    a. Car type

        i. Add and manage the car type. It should have an add, edit, delete and search option. Ex: 4*4, Mini, Sedan
    b. Make
        i. Add and manage the make. It should have an add, edit, delete and search option.
    c. Model
        i. Add and manage the model. It should have an add, edit, delete and search option.
    d. Year
        i. Add and manage the year. It should have an add, edit, delete and search option.
    e. Color
        i. Add and manage the color. It should have an add, edit, delete and search option.
    f. Amenity
        i. Add and manage the amenities. It should have an add, edit, delete and search option. Ex: Radio / CD player / MP3 player
    g. Price
        i. Update the price per hour. Ex: 15 RM per hour
        ii. Update the commission percentage per trip Ex: 25%
        iii. Update the delivery cost – Admin should update the delivery fee cost. While renters are requesting the owner to deliver the vehicle, we need to calculate the price based on it.

5. **User Roles**
    a. Add role
    b. Admin can manage roles in the system. It should have an edit and delete option.
6. **Manage sub admin / Moderator / Staffs**
    a. Admin can add one or more admins with different roles to manage the backend.
    b. Sub admin or moderator can login into admin panel and access the module which belongs to their modules. They can't access all modules of super admin.
7. **Address type**
    a. Admin can add and manage address types like house, building, hospital etc. It should have an add, edit and delete option.
8. **Users management**
    a. Admin can add and manage the users. It should have an edit, delete, block and search option. It should be the car owner and renters.
    b. Admin can filter and view the users by car owner and renters.

c. Once the new user registered into the application, admin or moderator can check their profile information, documents and do the manual approval of their account. Admin approval must be required by the car owner and renter to access the application.

d. View the full information of the user profile. It should have a complete report and activities of users.
    i. If they are renter,
        1. Show the graphical report of rent requests with count
        2. Show the payment transaction report in graph with count
        3. Profile information
        4. Rate and reviews
    ii. If they are car owner,
        1. Show the graphical report of their car
        2. Show the graphical report of their successful rent requests
        3. Show the received payment report in graph
        4. Profile information
        5. Rate and reviews
    iii. Export the users list

9. Cars management

a. Admin can add and manage the cars. It should have an edit, delete, block and search option.
b. Once the car has been added by the owner, it should be approved by the admin to go live.
c. Admin can filter the cars by type, model, make, year and etc.., Also option to filter by date
d. View the full information of a particular car. It should have car details, rate & review.
e. Export the cars list in excel sheet

10. Rental request management

a. Manage the rental requests from various renters. It should have an edit, delete, block and search option.
b. Admin can filter the requests by status, recent requests, type, model, make, year and Also option to filter by date.
c. View the full information of a particular request. It should have car details, renter details, car owner details, rate & review, status, payment transaction.
d. Export the rental request list in excel sheet

11. Payment transaction management

a. Admin can view the list of payment transactions from renters. It can be filtered by status and date.
b. View the full information of a particular payment transaction. It should have transaction ID, Status, total price, owner cost and Drivelounges commission.
c. Export the payment transaction into CSV format

