



Technical Document – Annexure I of Night Life

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Annexure I

1. Project Overview

✓ Business Need

The Business need is to have a platform which would be used by end users to book a table/space for Night Club and at the same time a platform for Night Club using which they would be accepting the booking.

✓ Solution Suggested

As a solution we would be developing a mobile application for end users using which they would be able to explore different night clubs and make a booking and at the same time other application would be used by Night Club to accept and confirm the booking.

✓ Stakeholders

Actor	Task
End User	One who would be using the application to explore and book for Night Club.
Night Club	One who would accept the received bookings for Night Club.
Admin	One who will manage the complete platform from the backend.

✓ Project Scope and Development Deliverables

This project scope comprises of the following components to deliver:

- Design and Development of Mobile Application for End User (iOS & Android)
- Design and Development of Mobile Application for Night Club (iOS & Android)
- Development and Integration of API
- Development of Admin Web Panel

2. Technologies

Development Phases		Tools & Technology
Requirement Gathering and Analysis	Proposal Drafting, SRS Writing and User Flow Diagram	Microsoft Office Word 2019 / Microsoft Office Presentation 2019 / Microsoft Office Vision 2019
	Wire Framing	Axure / UiZard
Development	Application	Flutter / React Native
	Web Backend	Node.js / PHP (Laravel)
	Database	MongoDB / MySQL
Version/s Supported	Android	9.0 and above
	iOS	13.0 and above
	Browser	Google Chrome, Safari, Mozilla Firefox
Quality Assurance & Testing	Test Cases	MS Office Excel 2019
	Testing	Manual

3. Features and Scope of Work

3.1. Mobile App Flow for End User

➤ **Splash Screen**

- The launch screen of the Application where end users will be able to view the company's logo.

➤ **Welcome Screen**

- 2-3 screens describing the End User Application with the help of images.

➤ **Location Access**

- Pop-up screen that would be displayed on the screen where users would be able to allow or deny the application access to the device location.

Note:- User Application would not work if the user does not allow the location.

➤ **Authentication**

- This module consists of the registration and login functionalities.
- User would be able to explore the application without being authenticated except below functionalities or sections: -
 - My Profile
 - My Wishlist
 - My Bookings
- **Sign Up / Register**
 - Users will be able to register using below details: -
 - Full name
 - Mobile Number
 - Password
 - Confirm Password
- **OTP Verification**
 - The users will receive an OTP over their mobile number for verification after which the user would be successfully registered on the application.
- **Login**
 - The users will be able to login into the application using the below details:
 - Mobile Number
 - Password
- **Forgot Password**
 - A hyperlink present on the authentication screen clicking on which user would be redirected to the Forgot Password screen where user need to enter the below details:-
 - Mobile Number (To receive the OTP for verification).
 - OTP

- After the OTP is verified user would be asked to mention below details in order to
 - change the password:-
 - New Password
 - Confirm New Password
- **Home Screen**
 - The main screen of the application which would be displayed to the end user with below sections/functionalities/options: -
 - **Location**
 - The area and city as per the current Location would be displayed on the Top-Left side of the Home Screen.
 - Further user would be able to change the location by clicking on the location button.
 - **Profile Image**
 - The profile image displayed on the Right-Top side of the home screen, clicking on which a hamburger menu would be displayed from the right to the left to view below menu options: -
 - **Full Name**
 - Clicking on Name the user would be redirected to their profile where they would be able to add or edit the below details: -
 1. *Profile Image*
 2. *Name*
 3. *E-mail ID*
 4. *Mobile Number*
 - **Update Profile** button to save or update the Account Details.
 - **My Bookings**
 - Clicking on this, user would be redirected to the screen where they would have 2 sections or tabs below: -
 1. *Current* - Displaying the below details of the booking that is currently in-progress: -
 - a. Status
 - b. Booking ID (Generated Automatically)
 - c. Date and Time when the booking was made
 - d. Night Club Name
 - e. Date and Time of the Booking
 - f. Total Persons for which Booking is made
 - g. Total Amount
 2. *History* - Displaying the below details of the past orders: -
 - a. Status
 - b. Booking ID (Generated Automatically)
 - c. Date and Time when the booking was made
 - d. Night Club Name

- e. Date and Time of the Booking
- f. Total Persons for which Booking is made
- g. Total Amount
- h. Rate your Experience

▪ **Subscriptions**

- User will be able to view to view the subscription plans.
- User will be able to purchase the subscription plan by doing online payments.
- Subscription allow user to view and nearby people and send messages.
- User will be able to view the subscription history details.

▪ **Notifications**

- Clicking on this user would be re-directed to the screen displaying the list of notifications.
- Notifications would be transactional and engagement based.
- Notifications would be push as well as in-app.

▪ **Message – Only Subscribed user are allowed to send message.**

- User will be able to view all the message request from the user.
- User will be able to accept/reject the request.
- User will be able to send the message. (Text and images)
- User will be able to block the user.

▪ **Help Centre**

- Clicking on the Help Centre button user would be re-directed to the screen where below details would be displayed: -
 1. FAQ's
 2. A Query Form to submit a service request
 3. E-mail ID
 4. Help Line Number

▪ **About Us**

- Clicking on this user would be redirected to the screen displaying Image and Text about the business

▪ **Terms and Conditions**

- Clicking on this user would be redirected to the screen displaying terms and conditions text.

▪ **Privacy Policy**

- Clicking on this user would be redirected to the screen displaying Privacy Policy text.

▪ **Log Out**

- Clicking on this a pop-up would be displayed as “Are you sure you want to Log Out from the Application?” with *Cancel* and *Sure* button.
 1. If user clicks on *Cancel* button, then the User would remain on the same screen.

2. If user clicks on *sure* button, then the user would be logged out from the Application and would be re-directed to the authentication screen.

▪ **Delete Account**

- Clicking on this a pop-up would be displayed as “Are you sure you want to Delete your Account?” with *Cancel* and *Sure* button.
 1. If user clicks on *Cancel* button, then the user would remain on the same screen.
 2. If user clicks on *sure* button, then the user would be logged out from the Application and would be re-directed to the authentication screen.

• **Carousel Images**

- This would be the upper section of the Home Screen displaying multiple images of the Night Clubs selected by the admin which could be used for the promotion of Night Clubs or any offer/campaign going on

Note: - These images would re-direct the user to the respective detail screen.

• **Search**

- The search bar displayed on the center of the Home Screen where user would be able to search for Night Clubs by name, location, bar, activities, music, dance or theme.

○ **Search Results**

- Search results would be displayed on the basis of entered keyword with below details: -

- Night Club Image
- Night Club Name
- Location
- Night Club Distance from user’s location
- Theme of the Night Club
- Average Star Rating
- No. of Feedbacks
- Operating Timings
- People Count– Yellow/Orange/Red (This data will be curated based on the Night club bookings)

Note: - If any keyword/s has no result then a text message would be displayed “No Night Club listed on the basis of your entered <Keyword>”.

- If user clicks on any of the Night Club name or image then the user would be redirected to the Night Club detail screen explained below.

○ **Night Club Detail Screen**

- Below details of that respective night club would be displayed.
 1. Multiple Images added by the Night Club
 2. Night Club Image

3. Night Club Name
 4. Location
 5. Night Club Distance from user's location
 6. Types of Cuisines Offered
 7. Types of Activities
 8. Theme of the Night Club
 9. Average Star Rating
 10. No. of Feedbacks
 11. Operating Timings
 12. People Count– Yellow/Orange/Red (This data will be curated based on the Night club bookings)
 13. Peak Hours – User will be able to view the peak hours details. (These data will be fetched from Google and Apple Maps Api's)
- Book Now option clicking on which user would be redirected to make booking screen.

• Top Night Clubs

- This would be a section that would display the name and images of the top night clubs nearby to the user's location
- This would be a scrollable section and listing would be on the basis of location from near too far.
- If user clicks on any of the night club name or image then the user would be redirected to the night club detail screen explained above.

• People Nearby

- This would be a section that would display the nearby people list with profile and name and they will have an option to send the message to them.
- The other user can accept/reject the message request.
- User can turn on/off the profile visibility.

• Recommendation

- This would be a section that would display the name and images of the night club on the basis of the users past orders.
- This would be a scrollable section and listing would be on the basis of location from near too far.
- If user clicks on any of the night club name or image then the user would be redirected to the night club detail screen explained above.

• Themes

- This would be a section that would display the name and image of themes which would be managed by admin panel.
- This would be a scrollable section
- Clicking on respective theme user would be re-directed to the screen displaying the list of night clubs offering with that respective theme: -
 - Night Club Image
 - Night Club Name
 - Location

- Night Club Distance from user's location
 - Theme of the Night Club
 - Average Star Rating
 - No. of Feedbacks
 - Operating Timings
- **Category**
 - This would be a section that would display the name and image of category which would be managed by admin panel.
 - This would be a scrollable section
 - Clicking on respective category Name or Image user would be re-directed to the screen displaying the list of night clubs with below details: -
 - Night Club Image
 - Night Club Name
 - Location
 - Night Club Distance from user's location
 - Theme of the Night Club
 - Average Star Rating
 - No. of Feedbacks
 - Operating Timings
- **Booking Screen Review**
 - This screen would allow user to enter or select below details in order to make the booking: -
 - Select no of persons
 - Select time from the drop-down
 - Confirm Booking button to initiate the booking
 - Once it is accepted by Night Club, the user would be notified to make the payment and upload the screenshot/receipt
 - After the acknowledgement of the payment, as soon as the booking is confirmed by the night club the user would be notified for the same.
- **Payment Option**
 - Outside the platform, the user has to upload only the receipt.
- **Status of the Booking**
 - The status of the booking would be transitioned as below: -
 - Booking Initiated - This would be the status as soon as the booking is done.
 - Booking Accepted & Payment Pending - This would be status once the booking is accepted by the Night Club.
 - Payment Done - This would be status after the payment is done by the user and a receipt/screenshot of the same has been uploaded by them.
 - Booking Confirmed - This would be the status which would be displayed once the payment is acknowledged by the Night Club.
- **Rating and Review**
 - After 12 hours from the booking time, the user would be notified to provide the rating and reviews to the Night Club.

- User can also skip the rating and feedback.
- **Community**
 - User will be able to view all the post shared across the platform.
 - User will be able to create a new post by entering the post description and share across the platform.
 - User will be able to like the post, comment and post.
 - User will be able to report the post by selecting the reason from drop down.
 - **My Post**
 - User will be able to manage all the post which are shared on the platform.
 - User will be able to edit/delete the post.
- **Bottom Menu**
 - The section is to enhance the user experience: -
 - Home Button (Default screen of the Application)
 - My Bookings (Clicking on this user would be redirected to the My Orders)
 - Community (Clicking on this user would be redirected to the Community Section)
 - Help Icon (Clicking on this user would be redirected to the Help Section)



3.2. Mobile App Flow for Night Club

➤ **Splash Screen**

- The launch screen of the Application for night club which would display the company's logo and name.

➤ **Welcome Screen**

- 2-3 screens describing the night club Application with the help of images.

➤ **Authentication**

• **Sign Up / Register**

- Users will be able to register as a night club user using below details: -
 - Name
 - Mobile Number
 - E-Mail ID
 - Password
 - Confirm Password

• **OTP Verification**

- The users will receive an OTP over their mobile number for verification after which the user would be successfully registered on the application.

• **Login**

- The Users will be able to login into the application using the below details:
 - E-mail ID
 - Password

• **Forgot Password**

- A hyperlink present on the login screen clicking on which user would be redirected to the Forgot Password screen where user need to enter the below details:-
 - Mobile Number (To receive the OTP for verification).
 - OTP
- After the OTP is verified user would be asked to mention below details:-
 - New Password
 - Confirm New Password

➤ **Home Screen**

• **Setup Profile**

- This section would be displayed only when the night club logs in to the Application for the 1st time.
- Night club profile setup screen would be used to setup the profile by filling in the below fields or details: -
 - Profile Image
 - Name (Auto-populated)
 - Select ID Type
 - Enter ID Number
 - Upload the document for the selected ID Type

- Enter Night Club Registration Number
- Enter Night Club Registration Expiry Date
- Upload Registration Certificate

NOTE: - Document should be in .jpg/.jpeg/pdf format (File Size < 2mb)

- **Submit button** to submit the profile for admin review.
- On approval from the admin, Night Club would be notified on the mobile and e-mail ID for the same after only which the Night Club would be able to use the application.
- Also, if the profile is rejected for any specific reason, then the same would be communicated over e-mail.
- **Night Club Profile Image & Name**
 - Night Club Image and Name would be displayed on the Top-Left side of the Home Screen with the below phrase: -
 - **< Image> Welcome! <Name>**
- **Toggle Button (Online or Offline)**
 - This option would be used by Night Club to change their status to online or offline.
 - Night Club, would receive Bookings only when their status is online.
- **New Booking**
 - This would be the notification modal that would be displayed on the home screen of the Night Club with Accept or Deny option.
 - This would display below details: -
 - Booking ID
 - Day and Time of Booking
 - Total No. of Persons.
 - **Accepted Booking**
 - As soon as the booking is accepted by the Night Club, below details would be displayed: -
 - Booking ID
 - Day and Time of Booking
 - Total No. of Persons.
 - End User Name
 - End User Contact Number
 - **Payment Awaited**
 - Once the booking is accepted, user would be notified to make the payment and upload the payment receipt.
 - **Confirmed Booking**
 - Once the payment receipt is uploaded by the user, on confirmation of the same by the night club the booking would be confirmed.
 - Once the booking is confirmed the user would be notified for the same.

- **Notification**
 - Icon present on the top-right side of the Home Screen clicking onto which be redirected to the screen displaying the list of notifications.
- **Bottom Menu**
 - This comprises of menu icons which enhances the user experience of the mobile application.
 - These menu icons are for below: -
 - **Home**
 - This would be the default icon highlighted.
 - **Bookings**
 - Clicking on this user would be re-directed to the screen displaying the list of all the bookings with their respective bookings.
 - **Profile**
 - Clicking on the profile icon, user would be redirected to the screen displaying the below options: -
 - **My Account**
 - Profile Image
 - Name (Auto-populated)
 - Selected ID Type
 - Entered ID Number
 - Uploaded document for the selected ID Type
 - Entered Night Club Registration Number
 - Entered Registration Expiry Date
 - Uploaded Registration Certificate
 - **Note:** - Night Club would not be able to use the application if the license or registration certificate is expired.
 - **Menu Management**
 - This section would be used by night club to view, add, edit or delete the listing of their foods items which are visible to the end users.
 - This section would also allow the night club to enable or disable the food item.
 - This section would display below details: -
 1. Food Image
 2. Food Item Name
 3. Time availability of the food item (if any)
 4. Food Item Description
 5. Food Cuisine
 6. Food Category

- **Promotion Management**
 - This section would be used by night club user to provide discounts and offers for their respective food items or on the total order.
 - This discount and offers would have a start and end date.
- **Help Icon**
 - Clicking on the Help icon button user would be re-directed to the screen where below details would be displayed: -
 - FAQ's
 - A Query Form to submit a service request
 - E-mail ID
 - Help Line Number



3.3. Web Panel Flow for Administrative Panel

The back end of the platform will be power-packed with an administrative panel to manage updating of data at the front as well as backend Admin will be able to login into the admin panel using username and password.

Following are the key functionalities:

➤ **Users Management**

- This section would be used by admin to view, edit or delete the users.
- Admin would also be able to enable or disable the user.

➤ **Night Club User Management**

- This section would be used by admin to view, edit or delete the night club.
- Admin would also be able to add the user for night club. (Details of which would be sent to Night Club User's e-mail ID).
- Admin would also be able to enable or disable the night club user.

➤ **Booking History**

- This section would be used to view the list and details of bookings.
- This section would display the total amount of the order fulfilled.
- This section would also have an option to change the status of a respective transaction from received to paid if requested by night club user.

➤ **Charge Management**

- This section would be used by admin to manage different charges - Service Charge and Government Tax.
- This section would also be used by admin to change the percentage contribution for order.

➤ **Menu Management**

- This section would be used by admin to view the menu of all the night clubs and if required update the same.

➤ **Query Management**

- This section would display the list of all the queries submitted by End Users and night clubs.

➤ **Subscription Management**

- This section would be used to create a subscription plan for the user.
- Admin will have an option to view the subscription payment details.
- Admin will be able to download the subscription payment details in PDF.

➤ **Promotion Management**

- This section would be used by admin to generate coupon codes.
- This coupon would have a start and end date.

➤ **Report Management**

- Admin will be able to view all the report request from the user and they can block them from the platform.

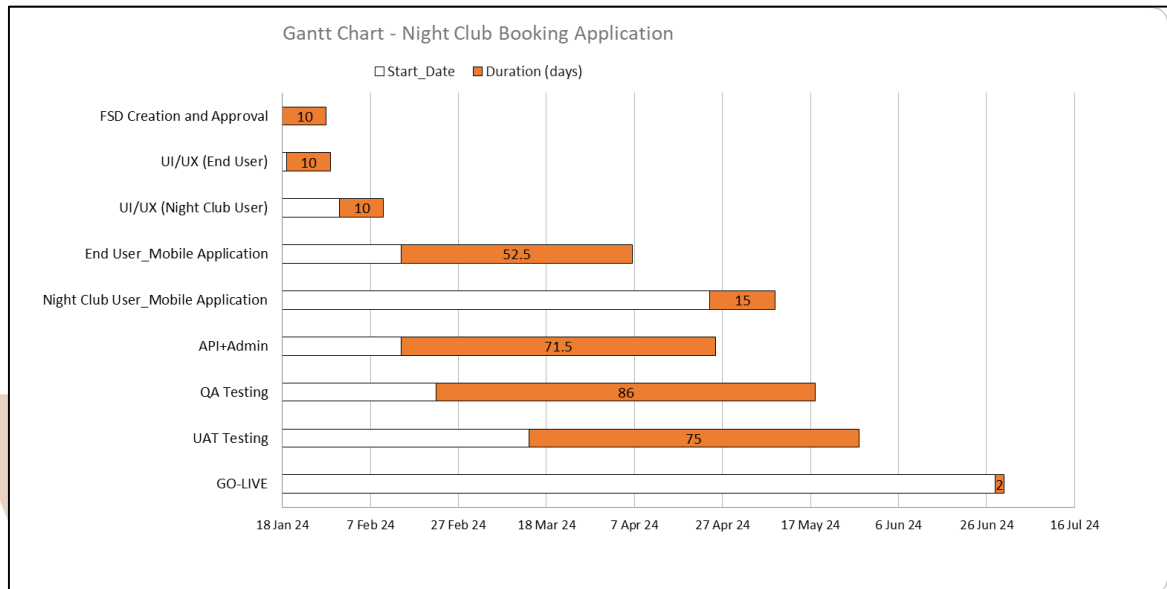
➤ **Content Management**

- Admin will be able to manage (Add/View/Edit) the below static contents: -
 - Carousel Images for the End User Application
 - Top Night Clubs
 - Recommendation
 - Themes
 - Category
 - About Us
 - Terms and Conditions
 - Privacy Policy

NOTE- Client must provide all the 3rd Party APIs required for the development of the application

4. Draft Delivery Timeline and Gantt Chart

Planned Project Start Date	Scheduled Project Completion Date
Project Duration*	118
18-Jan-2024	01-Jul-2024



*Project Duration would be met with a condition that the client responses are received on time.

5. Project Management

Before Project is awarded			
Business Analysis	Project Management / Software Development	Business Development / Sales	Accounting
1. Project Identify / Analysis	5. Project Evaluation by technical teams	12. Introduction call	19. Invoice submitted to Nikola
2. Develop one-page proposal overview	6. Introduction call 1 on 1 interaction with Nikola	13. Deliverables discussed with Nikola	20. Payment received
3. Create project management overview	7. System appropriate services determined	14. Milestones discussed	21. Payment confirmation sent to Nikola
4. Nikola assigned to business manager GBM	8. Requirements / System application architecting	15. Project success discussed	22. Account forwarded to PM
<i>GBM: Global Business Manager</i>	9. Project needs analysis	16. Future growth alignment	
	10. Detailed proposal development	17. Detailed proposal provided	
	11. Cost and Time effort estimation	18. Payment instructions	

After Project is awarded			
Phase 1	Phase 2	Phase 3	Phase 4
1. Project manager assigned	6. Design, Development / technical teams assigned	12. Testing / Quality Assurance	16. Periodic project maintenance
2. Project initiation/ introduction call	7. Project start	13. Live server testing	17. Data backups
3. Online project profile created	8. Nikola feedback on weekly	14. Final bugs issues fixed	18. Web site – System application upgrades
4. Weekly project meetings scheduled	9. Weekly project feedback session- 30 min	15. Campaign completed	19. On line marketing ** Optional
5. Reporting formats explained to <CLIENT NAME>	10. Reports available on-line		
	11. Online Rebel catering access of PM system application		

6. Proposed Team of Project

The proposed team to achieve the deliverables in a time span of 24 Business Weeks comprising of 40 hrs. /week is as follows

Designation	Availability
Project Manager	Part Time
Project Expert	Part Time
Designers	Full Time
Developers	Full Time
Quality Analyst	Full Time

7. Assumptions and Constraints

This section would have the list of all the assumptions that have been considered during the development of proposal accompanied with the list of constraints (i.e., technology restrictions) that would be beyond anyone's capabilities.

7.1. Assumptions

- For Peak Hours, we will be fetching the data from Google and Apple Maps API's.

7.2. Constraints

- The accuracy of the peak hours will be 95 to 99 %.

IN WITNESS WHEREOF, both parties here have to agree the finalized scope for this project as of the date.

For: Nikola

For: WebMobril Inc.

Signature:

Signature:
