

Technical Document – Annexure I of Gear Book Application

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Annexure I

1. Project Overview

✓ Business Need

Client needs a platform, like if you are going to a new track, you can pick a gear set based on similar tracks, and use them for your driving experience.

✓ Solution Suggested

We will develop an application which shows you each Track and Gear combination along with attributes for track size, surface quality, engine, RPM and even notes on performance. Build multiple entries per track to understand how surface affects gear change as the night goes on; then highlight your favorite Gear Set / Track combinations so they are easy to find.

✓ Stakeholders

Actor	Task
End User	One who will use the app to keep the records of the track and cars.
Admin	One who will manage the whole 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)
- 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
	Web Backend	PHP (Laravel)
	Database	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. User Flow of End Users

➤ **Splash Screen**

- App starts with a splash screen displaying the company logo and name for 2-3 seconds.
- This creates a branded introduction and builds anticipation before entering the app.

➤ **Register Page**

- Register with Google: Easy and convenient for users with existing Google accounts.
- Register with Apple: Similar to Google login, for Apple ID users.
- Register using email: Traditional registration method for users who prefer creating an account within the app.
- All registration methods should require accepting the app's terms and conditions via a checkbox.

➤ **Login Page**

- Login with Google or Apple: Quick and familiar for previous users.
- Login using email: Traditional login method for those who registered with email.

➤ **Tutorial navigator**

- After sign up when the users lands on the home screen for the first time, there will be navigator for how to use the application.

➤ **Home Screen**

- Profile icon on the top left corner.
- Settings icon on the top right corner.
- Search bar in the middle top.
- Filter icon
- Add a new gear set icon.
- List of gears which can be edited or deleted, by swiping left.
- Bottom Bar – Gear Book, RPM calculator, Chart, Apps.

➤ **Search Bar**

- User can search using different keywords.

➤ **Filters**

- When user open the filters, different options like date, track name, track size, track condition, gear ratio, engine.
- My favorites.

➤ **Gear setup screen**

- Option to add favorite.
- Date
- Track name
- Track size
- Surface condition.
- Engine
- Ring and Pinion
- Gear set and ratio
- Max rpm –Bar set
- Notes
- Save to gear book – Button
- Clone set up-Button

➤ **RPM Calculator**

Target RPM:-

- Ring and pinion
- Gear set and ratio
- Current RPM
- Target RPM
- Drop down
- Save gear set icon

Gear Analysis:-

- Current Ring and pinion

- Current Gear set and ratio
- Current RPM
- New Gear Set and Ratio
- Save Gear Set Button

➤ **Gear Chart**

- Drop down on top left.
- Chart for 4.11 Rear
- Chart for 4.56 Rear
- Chart for 4.86 Rear

➤ **App Settings**

- My Profile
- Email
- Race class
- Cloud Data Backup Button
- Restore Data from the cloud Button
- Theme Light And Dark
- Tutorial Button.

3.2. Administrator Web Panel

The back end of the platform will be power packed with an administrative panel to manage the updates of data at the application level, website level and as well as back end. Following would be the key functionalities:

➤ **User Management**

- List of all registered users.
- View user details.
- Disable or enable accounts.

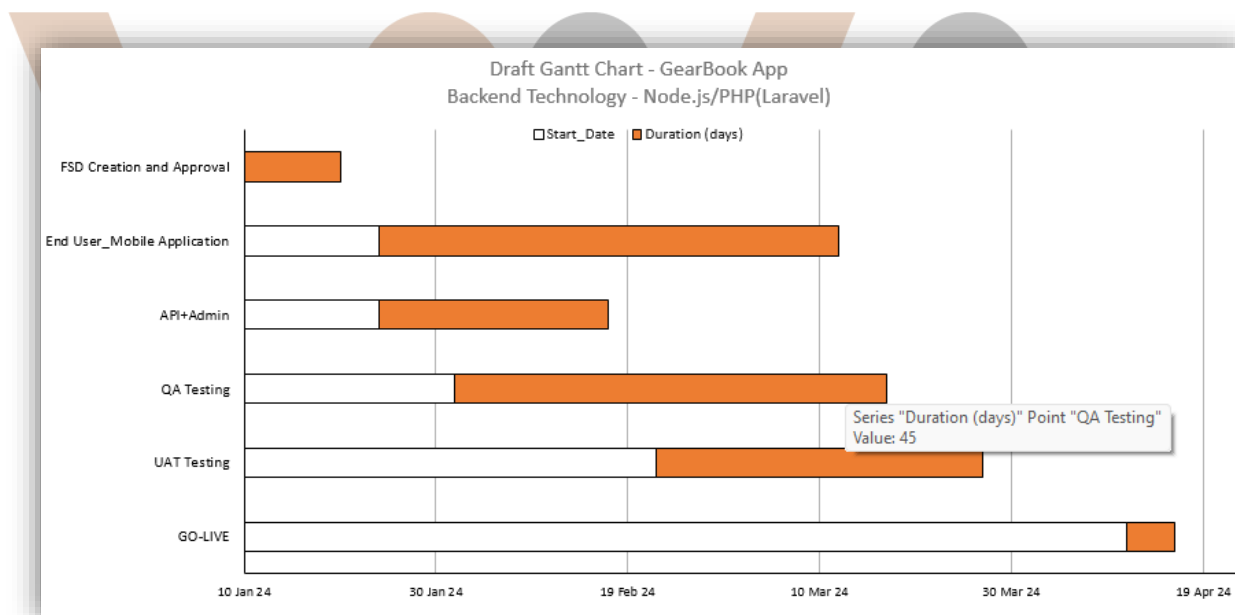
➤ **Backup management**

- Perform manual data backups.

- Restore data from previous backups.
- Schedule automated backups.
- **Master's management**
 - Will be able to manage all the masters of the application.

4. Draft Delivery Timeline and Gantt Chart

Backend Technology - Node.js / PHP (Laravel)	
Development Start Date	Development End Date
10-Jan-24	17-Apr-24
Total Project Effort (in person days)	72



Note:

The application will be functioned offline, but for the registration and login it would require network connection. Since, there would be a Tester from client side therefore, there would be variation in the project delivery timeline. The testing is a part of the development and we have not included any cost and efforts in the proposal.

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 BOB GODGART
2. Develop one-page proposal overview	6. Introduction call 1 on 1 interaction with BOB GODGART	13. Deliverables discussed with BOB GODGART	20. Payment received
3. Create project management overview	7. System appropriate services determined	14. Milestones discussed	21. Payment confirmation sent to BOB GODGART
4. BOB GODGART 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. BOB GODGART 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 BOB GODGART	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 15 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

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

For: Bob Godgart

Signature:

For: WebMobril Inc.

Signature:
