



SASTHA HOUSE PVT LTD

Techno Functional Document

For

E-Com Website and Mobile App



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1 INTRODUCTION

SASTHA HOUSE PVT LTD (Client) has contracted TeckZy Research Analytics IT Solutions Pvt Ltd (Developer) for the design and development of E-Commerce Style website along with Mobile applications (Android) for Online Classifieds for buyer and seller with the discussed specifications as detailed below.

1.1 Purpose

The purpose of this document is to document the functional requirement and map the same to the technical specifications describing a module wise, function wise, user wise and admin wise usability and interface and the systems used therein for the completion of the project and subsequent implementation and going live.

1.2 Scope

The Scope of this document and project is limited to the functional details as received from the client during the project agreement discussions and as described within the MoU signed by the client and the developer and minor functional changes therein while it excludes any major deviations on the functional aspects and system and platform used for the development of the same.

1.3 Background

The Developer, TeckZy Research Analytics IT Solutions Pvt Ltd is a software company incorporated in Chennai and provides Software Development services for E-Commerce, Mobile Applications, ERP, CRM and Billing software products. This document is prepared with reference to the meetings, communications and agreement between Mr Chandrasekar Rao of SASTHA HOUSE PVT LTD and Ms. Rohini - Director and Mr. Amit - Director of TeckZy on each of the above points agreeing to have the project designed and developed within the time frame and to specifications as agreed.

1.4 References

Discussions, mails, and presentations between the client and TeckZy. Flow diagram and chart confirmation.



1.5 Assumptions and Constraints

1.5.1 Assumptions

None

1.5.2 Constraints

- UI design to be completed and approved in advance instead of working parallelly with the development phase.

1.6 Document Overview

None.

2. METHODOLOGY

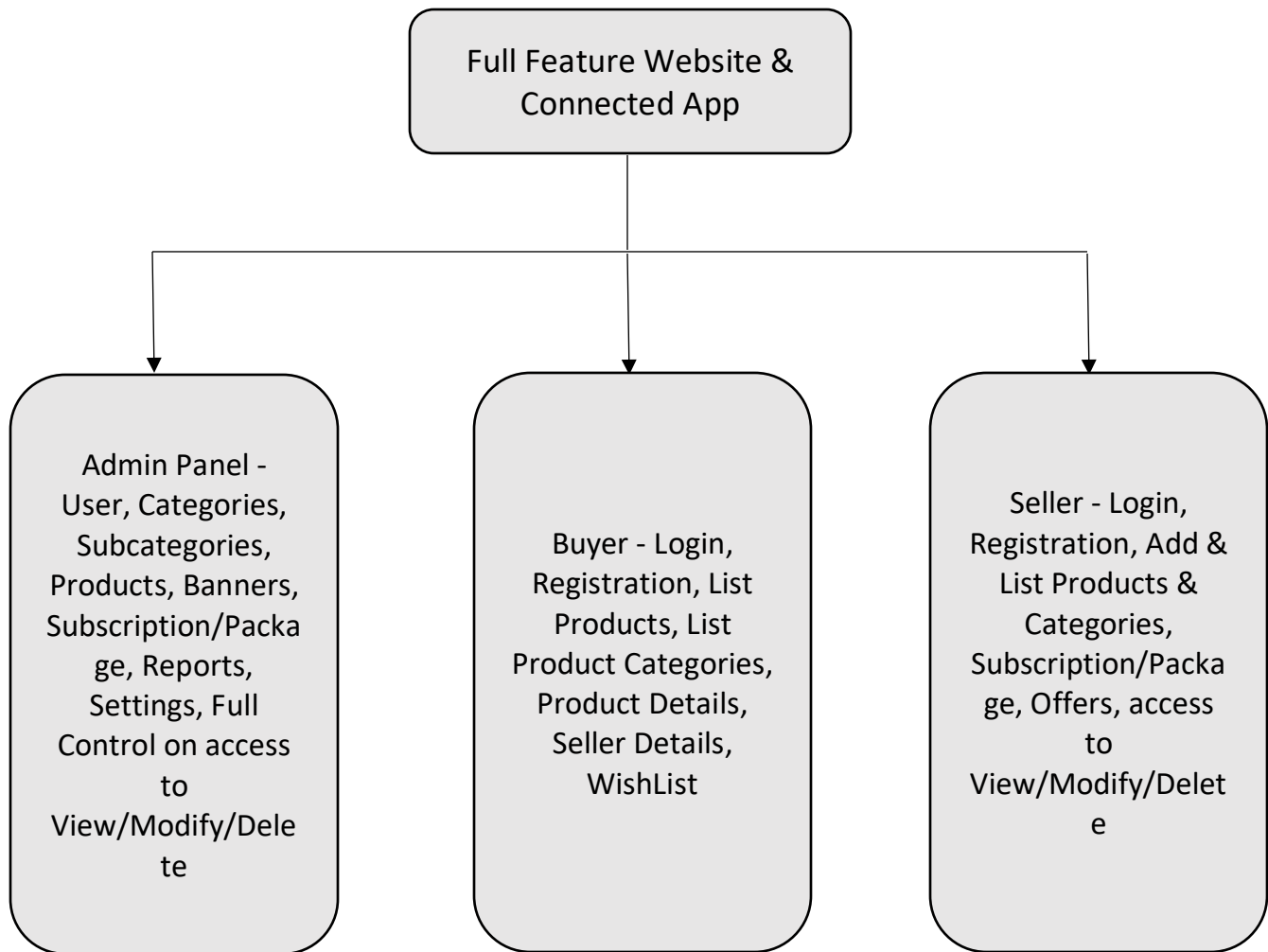
Approaching the project in parts with UI approvals for each of the apps and website to be completed before coding the applications.

Upon UI design and approval the coding to be initiated.



3. FUNCTIONAL REQUIREMENTS

3.1 Generic Context Diagram





4.1 User Requirements

4.1.1 Admin Panel

Menus

- Dashboard
- Users
 - a. All Registered sellers List with activate and deactivate option
 - b. All Registered buyers list with activate and deactivate option
- Categories & Sub-categories
 - a. List, Add, Edit, Delete
- Listings
 - a. Shows all Seller's Listings with activate and deactivate option
 - a. List, Add, Edit, Delete
- Products
 - b. List, Add, Edit, Delete
- Banners
 - a. List, Add, Edit, Delete
- Subscription
 - a. Show all subscription plans with activate and deactivate option
 - b. Add, List, Edit, Delete
- Reports
 - a. Seller details report
 - b. Buyer details report
 - c. Subscription report
 - d. Promotional report
 - e. Listing report
 - f. Payment details report
- Settings
 - a. Logo setting
 - b. Promotional Ads with Validity (Add, View, Edit & Delete)
 - c. Contact Us
 - d. About
 - e. Add terms and condition
 - f. Add Privacy Policy
 - g. Logout



Dashboard

- This is the landing dashboard page of the admin panel, this page will display the following details,
 - a. Total Registered Sellers
 - b. Total Registered Buyers
 - c. Total Earning
 - d. Today Earning

Users

- This screen will display the list of total registered sellers and buyers with activate and deactivate options
- Admin can activate/ deactivate the registered user in this screen

Category & Sub-category page

- This screen will display all configured categories & sub-categories
- Category / Subcategory inputs are category / subcategory name, image
- Admin can perform **Add, Edit, Delete, Update** in this screen

Products

- All configured products will be displayed in this screen
- Product inputs are category, subcategory, brand name, product name, price, description, image
- Admin can perform **Add, Edit, Delete, Update** in this screen

Listings

- In this screen, the seller's listing details will be displayed
- Admin can activate or deactivate the seller's listings

Banner and Offer for website and mobile apps

- In this screen admin can configure the banners to be displayed on the website & app
- Admin can set offer for particular location also
- Input fields are Location (not mandatory), Offer title, Offer details, Image
- Admin can perform **Add, Edit, Delete** in this screen

Subscription Plan

- In this screen admin can configure the subscription plan to be displayed on the website & app
- Input fields are Plan title, Plan Amount, Validity from, Validity To, Plan details, Image
- Admin can perform **Add, Edit, Delete** in this screen



Settings

Logo Settings page

- This screen will display all configured Logos
- Logo settings inputs are Logo name, Image
- Admin can perform **Add, Edit, Delete, Update** in this screen

Add Terms & Conditions and Privacy Policy page

- This screen will display the terms & conditions and privacy policy
- Inputs are Title and Description
- Admin can perform **Add, Edit, Delete, Update** in this screen

Promotional Ads page

- In this screen admin can configure the Promotional Ads with validity to be displayed on the website & app
- Input fields are Ad title, Ad Amount, Validity from, Validity To, Ad details, Image
- Admin can perform **Add, Edit, Delete** in this screen

Reports

- **Seller details Report**

Report input fields are date from, date to, Seller Name, Details

- **Buyer details Report**

Report input fields are date from, date to, Buyer Name, Details

- **Subscription report**

Report input fields are Date from, Date to, Subscription Name, Seller name, Amount, Subscription Date

- **Promotional Ad report**

Report input fields are Date from, Date to, Promotional Ad Id, Seller name, Amount, Promotional Ad Date and Validity Period

- **Listing Report**

Report input fields are date from, date to, Ad Listing Id, Seller Name, Ad Listing Date, Status

- **Payment details report**

Report input fields are Date from, Date to, Payment For (Subscription / Promotional Ad), Amount, Payment Date



4.1.2 Mobile App for Seller & Buyer

Page 1 – Registration

- ❓ Enter the Username and details (Name, Email, Location) along with the valid mobile number and click on the Get OTP button

Page 2 – Mobile Number Verification screen

- ❓ Enter the username and the valid mobile number and click on the Get OTP button

Page 2 – Verified OTP and email

- ❓ Mobile number verification screen

Login

- ❓ Enter the valid Mobile Number to login into the application

Menus

The following menus will be displayed on the mobile application

- Shop by Category
- Profile
- Wish list
- Package/Subscription
- Ad List
- Need Help / Contact us
- About
- Privacy Policy
- Terms & Conditions
- Log Out



Page 3 – Post an Ad

- ☐ Seller can post the ads of the product information and the contact information

Page 4 – Shop by category

- ☐ Will display the sub-category list
- ☐ The products will be displayed based on the category/subcategory selection

Page 5 – Profile

- ☐ This screen will display profile history where user can edit the details

Page 5 – Sign-out

- ☐ User can sign-out the application by clicking on the sign-out button

Page 6 – Product Information

- ☐ User can view the detailed description about the selected product in this screen
- ☐ Will display the contact information of the seller

Page 7 – Package/Subscription Plan

- ☐ This screen will display the list of packages/subscription plan details
- ☐ Seller can select the plan and post the ads based on the plan selected
- ☐ Seller can activate/deactivate the listed ads/product

Page 8 – Payment Gateway

- ☐ Seller can select the payment method in this screen

Page 12 – Ad List

- ☐ This screen will display the ad history posted and the details

Page 13 – Wish List

- ☐ This screen will display the favorite list of products with information for the buyers
- ☐ Buyer can delete the wishlist product

Page 14 – Need Help / Contact Us

- ☐ This screen will display the contact/support details

Page 15 – Privacy Policy

- ☐ This screen will display the Privacy Policy of the app

Page 16 – Terms & Conditions

- ☐ This screen will display the terms & conditions of the app



4.1.3 Website

Registration

- ❓ Enter the username and details (Name, Email, Location) along with the valid mobile number and click on the Get OTP button

Mobile Number Verification screen

- ❓ Enter the OTP and click submit button

Verified OTP

- ❓ Mobile number verification screen

Login

- ❓ Enter the valid Mobile No to login into the application

Home Page

- ❓ The Application Home page will have search, wish list, Post an Ad, Profile on the top bar
- ❓ The Home, Category list will be displayed in the menu
- ❓ Banners, Offers, Top Categories, Recently Posted Ad, will be displayed below
- ❓ Address & Contact details, social media links in the Bottom Nav Bar

Shop by category

- ❓ The subcategories / products will be displayed based on the category selection

Profile

The following details will be displayed in this screen

- My Profile
- Wish list
- Package/Subscription
- Ad List
- Need Help / Contact us
- About
- Privacy Policy
- Terms & Conditions
- Log Out



My Profile

- ❑ This screen will display profile history where user can edit the details

Sign-out

- ❑ User can sign-out the application by clicking on the sign-out button

Post an Ad

- ❑ Seller can post the ads of the product information and the contact information

Shop by category

- ❑ Will display the sub-category list
- ❑ The products will be displayed based on the category/subcategory selection

Product Information

- ❑ User can view the detailed description about the selected product in this screen
- ❑ Will display the contact information of the seller

Wish List

- ❑ This screen will display the favorite list of products with information for the buyers
- ❑ Buyer can delete the wishlist product

Package/Subscription Plan

- ❑ This screen will display the list of packages/subscription plan details
- ❑ Seller can select the plan and post the ads based on the plan selected
- ❑ Seller can activate/deactivate the listed ads/product

Payment Gateway

- ❑ User can select the payment method in this screen

Ad List

- ❑ This screen will display the ad history posted and the details

Need Help / Contact Us

- ❑ This screen will display the contact/support details

Privacy Policy

- ❑ This screen will display the Privacy Policy of the app

Terms & Conditions

- ❑ This screen will display the terms & conditions of the app



4.2 Data Flow Diagrams

None

4.3 Logical Data Model/Data Dictionary

NA

4.4 Functional Requirements

As per the agreed flow between the client and TeckZy and as documented through the excel annexures.



5 OTHER REQUIREMENTS

5.1 Interface Requirements

Android, Chrome, IE, Firefox browsers

5.1.1 Hardware Interfaces

Compatible with Android phones

5.1.2 Software Interfaces

Payment Gateway

SMS Integration

Multi browser compatibility

5.1.3 Communications Interfaces

Internet connectivity required

5.2 Data Conversion Requirements

NA

5.3 Hardware/Software Requirements

Cloud server, Storage, Android phone, Internet

5.4 Operational Requirements

All applications to be controlled by the central control panel to be provided with hierarchical access topped with a super admin access for complete control.



Security and Privacy

A. Consequences of the following breaches of security in the subject application:

1. Loss or corruption of data – Backup system to be maintained to minimize loss of data to only the timeline between corruption and recovery.
2. Disclosure of secrets or sensitive information – Adequate security to be maintained to avoid such events by the client and TeckZy which could result in system being compromised and data losses.
3. Disclosure of privileged/privacy information about individuals – Loss of sensitive data – To be avoided by maintaining adequate hardware and IT process security measures
4. Corruption of software or introduction of malware, such as viruses – Could lead to malfunction and loss of data.

B. State the type(s) of security required :

1. Physical security - firewall
2. Access by user role or types – Password protected
3. Access control requirements by data attribute. Defined by hierarchy and Super admin controls.
4. Access requirements based on system function Defined by hierarchy and Super admin controls. The system shall make Modify, Delete Function available to the System Administrator /Super Admin only.
5. Certification and accreditation of the security measures adopted for this application – SSL certifications for the website.

5.4.1 Audit Trail

NA

5.4.2 System Availability

24/7 availability with 99.5% uptime.

5.4.3 Capacity

NA

5.4.4 Data Retention

For 1 year with complete backup.