| **TEST PLAN**  **Project Name – Kazam EV App** |
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| **Table of Content** |
| --- |

* **Introduction**

**● Objectives**

**● Scope**

**● Testable Features**

**● Testing Approach**

**● Roles/Responsibilities**

**● Test Schedule**

**● Test Deliverables**

**● Entry & Exit Criteria**

**● Tools**

| **Introduction** |
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The Kazam EV app is designed to provide users with a seamless experience for locating and booking electric vehicle charging stations. This test plan aims to ensure the application meets business and technical requirements through comprehensive testing, covering functionality, usability, and performance aspects. The document outlines the objectives, scope, testable features, approach, roles, responsibilities, schedule, deliverables, and tools required for effective testing.

| **Objectives** |
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The objective of this test plan is to ensure the Kazam EV app meets business and technical requirements by validating its functionalities, performance, security, and usability. The goal is to deliver a reliable and user-friendly experience for customers using electric vehicle charging services.

| **Scope** |
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This test plan covers functional, non-functional, UI/UX, security, compatibility, and performance testing of the Kazam EV mobile application across multiple devices and operating systems (Android and iOS). It includes testing features such as registration, login, station search, booking, payments, profile management, and notifications.

| **Testable Features** |
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* Login/Logout
* Charging Station Search
* Booking
* Wallet
* Scan QR
* Profile details
* My Chargers
* Trip Planner
* My vehicles
* Charging history
* My Booking
* Favourites
* Manage Notifications
* Share the aap
* Support
* Tutorials
* Privacy Policy
* Return Policy
* Terms of use

| **Testing Approach** |
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**Test Design**:

* Use boundary value analysis for inputs.
* Perform equivalence partitioning for varied user scenarios.

**Test Cases**:

**Manual Testing:** Functional testing

of core features, exploratory testing, and UX/UI validation.

**Performance Testing:** Load and stress testing.

**Security Testing:** Validation against security vulnerabilities such as data encryption and secure payments.

| **Roles and Responsibilities** |
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**Test Manager :** Test planning, execution oversight, and reporting.

**QA Engineer :** Create, execute test cases, report defects.

**Developers :** Fix identified defects and provided technical support.

**Business Analyst :** Validate the application against business goals.

| **Test Schedule** |
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* **Planning**:1 Day
* **Test Case Design**: 1Day
* **Bug Report**: 1Day

| **Test Deliverables** |
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* **Test Plan Document**
* **Test Cases in Google Sheets**
* **Bug Report Document**

| **Entry & Exit Criteria** |
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**Entry Criteria:**

* Requirement documents are approved.
* Test environment is set up.
* Test data is prepared.

**Exit Criteria:**

* All planned test cases are Written.

| **Tools** |
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* **Test Case Management**: Google Sheets/Docs for documenting test cases and maintaining test records.