

Functional Requirements (FR)

ID	Requirement Description
FR-1	Advertisers shall be able to register with the application.
FR-2	Registration shall require verification through OTP.
FR-3	Advertisers shall be able to log in to the application using their credentials.
FR-4	Advertisers shall be able to reset their password through a forgotten password feature.
FR-5	Advertisers shall be able to view their profile information.
FR-6	Advertisers shall be able to update their profile information.
FR-7	Advertisers shall be able to view their wallet balance.
FR-8	Advertisers shall be able to view their transaction history.
FR-9	Advertisers shall be able to recharge their wallet using JAZZ CASH.
FR-10	Advertisers shall be able to recharge their wallet using vouchers.
FR-11	Advertisers shall be able to create advertising campaigns.
FR-12	Advertisers shall be able to specify campaign parameters including target location, campaign duration, etc.
FR-13	Advertisers shall be able to view active campaigns.
FR-14	Advertisers shall be able to view pending campaigns.
FR-15	Advertisers shall be able to view completed campaigns.
FR-16	Advertisers shall be able to track the current location of drivers displaying their advertisements.
FR-17	Advertisers shall be able to contact customer support.

FR-18	Advertisers shall be able to inquire about driver status.
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Non-Functional Requirements (NFR)

ID	Requirement Description
NFR-1	The mobile applications shall load within 3 seconds on devices meeting the minimum specifications.
NFR-2	The system shall support a minimum of 1000 concurrent users.
NFR-3	Location tracking updates shall occur at least every 30 seconds.
NFR-4	API responses shall be delivered within 2 seconds under normal load.
NFR-5	The system shall handle up to 100 campaign creations per minute.
NFR-6	Push notifications shall be delivered within 5 seconds of triggering events.
NFR-7	The driver application shall not require interaction while the vehicle is in motion.
NFR-8	The system shall comply with local road safety regulations regarding vehicle modifications.
NFR-9	The system shall verify that advertisements do not obstruct driver visibility.
NFR-10	The system shall monitor and flag potentially unsafe driving behaviors.
NFR-11	User authentication shall employ secure password hashing.
NFR-12	All API communications shall be encrypted using TLS.
NFR-13	Payment information shall be handled in compliance with PCI DSS standards.
NFR-14	User sessions shall timeout after 30 minutes of inactivity.
NFR-15	The system shall implement rate limiting to prevent brute force attacks.

NFR-16	The system shall maintain audit logs of all administrative actions.
NFR-17	Usability: The interface shall be intuitive enough that a new user can complete basic tasks without assistance.
NFR-18	Reliability: The system shall maintain 99.5% uptime during operating hours.
NFR-19	Availability: The system shall be available 24/7 with scheduled maintenance windows.
NFR-20	Maintainability: The codebase shall follow consistent coding standards and include documentation.
NFR-21	Portability: The mobile applications shall function on all Android devices meeting the minimum requirements.
NFR-22	Scalability: The system shall be designed to scale horizontally to accommodate growth.