CORADS Requirements Table

ID	Requirement Description	Type	Priority
FR-1	Advertisers shall be able to register with the application.	Functional	High
FR-2	Registration shall require verification through OTP.	Functional	High
FR-3	Advertisers shall be able to log in to the application using their credentials.	Functional	High
FR-4	Advertisers shall be able to reset their password through a forgotten password feature.	Functional	Medium
FR-5	Advertisers shall be able to view their profile information.	Functional	Medium
FR-6	Advertisers shall be able to update their profile information.	Functional	Medium
FR-7	Advertisers shall be able to view their wallet balance.	Functional	Medium
FR-8	Advertisers shall be able to view their transaction history.	Functional	Medium
FR-9	Advertisers shall be able to recharge their wallet using JAZZ CASH.	Functional	Medium
FR-10	Advertisers shall be able to recharge their wallet using vouchers.	Functional	Medium
FR-11	Advertisers shall be able to create advertising campaigns.	Functional	High
FR-12	Advertisers shall be able to specify campaign parameters including: Target location, Campaign duration, Number of cars, Advertisement content (images).	Functional	High
FR-13	Advertisers shall be able to view active campaigns.	Functional	Medium
FR-14	Advertisers shall be able to view pending campaigns.	Functional	Medium
FR-15	Advertisers shall be able to view completed campaigns.	Functional	Medium
FR-16	Advertisers shall be able to track the current location of drivers displaying their advertisements.	Functional	High
FR-17	Advertisers shall be able to contact customer support.	Functional	Medium
FR-18	Advertisers shall be able to inquire about driver status.	Functional	Medium

ID	Requirement Description	Type	Priority
FR-19	Drivers shall be able to register with the application.	Functional	High
FR-20	Drivers shall be able to log in to the application using their credentials.	Functional	High
FR-21	Drivers shall be able to sign out from the application.	Functional	Medium
FR-22	Drivers shall be able to view their profile information.	Functional	Medium
FR-23	Drivers shall be able to update their profile information.	Functional	Medium
FR-24	Drivers shall be able to upload images of their vehicles.	Functional	Medium
FR-25	Drivers shall be able to receive campaign requests.	Functional	High
FR-26	Drivers shall be able to accept or reject campaign requests.	Functional	High
FR-27	Drivers shall be able to view navigation to installation centers.	Functional	High
FR-28	Drivers shall be able to start campaigns after installation.	Functional	High
FR-29	Drivers shall be able to record their campaign activities.	Functional	Medium
FR-30	Drivers shall be able to upload verification images with location data.	Functional	High
FR-31	Drivers shall be able to view their wallet balance.	Functional	Medium
FR-32	Drivers shall be able to view their earnings history.	Functional	Medium
FR-33	Drivers shall be able to access help center resources.	Functional	Medium
FR-34	Drivers shall be able to contact customer support.	Functional	Medium
FR-35	Administrators shall be able to log in to the admin portal.	Functional	High
FR-36	Administrators shall be able to reset their password.	Functional	Medium
FR-37	The system shall support different admin roles with varying access levels.	Functional	High

ID	Requirement Description	Type	Priority
FR-38	Administrators shall be able to add, delete, and update admin accounts.	Functional	High
FR-39	Administrators shall be able to add drivers to the system.	Functional	High
FR-40	Administrators shall be able to create driver profiles.	Functional	High
FR-41	Administrators shall be able to update user information.	Functional	Medium
FR-42	Administrators shall be able to block and unblock driver accounts.	Functional	Medium
FR-43	Administrators shall be able to send notifications to drivers and advertisers.	Functional	Medium
FR-44	Administrators shall be able to send emails to drivers and advertisers.	Functional	Medium
FR-45	Administrators shall be able to search for campaigns and users.	Functional	Medium
FR-46	Administrators shall be able to activate campaigns.	Functional	High
FR-47	Administrators shall be able to start driver campaigns from installation centers.	Functional	High
FR-48	Administrators shall be able to complete driver trials.	Functional	Medium
FR-49	Administrators shall be able to add, delete, and update coupons.	Functional	Medium
FR-50	Administrators shall be able to add, delete, and update vouchers.	Functional	Medium
FR-51	Administrators shall be able to add, delete, and update car types.	Functional	Medium
FR-52	Administrators shall be able to manage installation centers.	Functional	Medium
FR-53	The system shall allow the creation of advertising campaigns with specified parameters.	Functional	High
FR-54	The system shall support multiple images in campaign creation.	Functional	Medium
FR-55	The system shall validate campaign parameters before creation.	Functional	High

ID	Requirement Description	Type	Priority
FR-56	The system shall match campaigns to appropriate drivers based on location and availability.	Functional	High
FR-57	The system shall send campaign requests to selected drivers.	Functional	High
FR-58	The system shall track driver responses to campaign requests.	Functional	Medium
FR-59	The system shall guide drivers to installation centers.	Functional	High
FR-60	The system shall track the installation process.	Functional	High
FR-61	The system shall monitor campaign progress in real-time.	Functional	High
FR-62	The system shall enforce campaign time and distance constraints.	Functional	High
FR-63	The system shall generate campaign performance reports.	Functional	Medium
FR-64	The system shall provide heat maps showing advertisement display concentration.	Functional	Medium
FR-65	The system shall track the duration and location of advertisement displays.	Functional	Medium
FR-66	The system shall integrate with JAZZ CASH payment gateway.	Functional	High
FR-67	The system shall process wallet recharge transactions.	Functional	Medium
FR-68	The system shall calculate driver earnings based on campaign participation.	Functional	High
FR-69	The system shall maintain transaction records.	Functional	Medium
FR-70	The system shall support discount coupons for advertisers.	Functional	Medium
FR-71	The system shall support voucher-based wallet recharges.	Functional	Medium
FR-72	The system shall validate coupons and vouchers before application.	Functional	Medium
FR-73	The system shall track the real-time location of drivers.	Functional	High
FR-74	The system shall display active campaigns on a map.	Functional	Medium

ID	Requirement Description	Type	Priority
FR-75	The system shall allow advertisers to track specific drivers.	Functional	Medium
FR-76	The system shall record driver routes during campaigns.	Functional	Medium
FR-77	The system shall analyze driver movement patterns.	Functional	Medium
FR-78	The system shall detect deviations from expected routes.	Functional	Medium
FR-79	The system shall request verification images from drivers.	Functional	High
FR-80	The system shall verify image location data.	Functional	High
FR-81	The system shall maintain a record of verification activities.	Functional	Medium
FR-82	The system shall provide support channels for advertisers and drivers.	Functional	Medium
FR-83	The system shall allow users to submit support tickets.	Functional	Medium
FR-84	The system shall track support request status.	Functional	Medium
FR-85	The system shall support FCM notifications.	Functional	Medium
FR-86	The system shall support email communications.	Functional	Medium
FR-87	The system shall maintain communication logs.	Functional	Medium
NFR-1	The mobile applications shall load within 3 seconds on devices meeting the minimum specifications.	Non-Functional	High
NFR-2	The system shall support a minimum of 1000 concurrent users.	Non-Functional	High
NFR-3	Location tracking updates shall occur at least every 30 seconds.	Non-Functional	High
NFR-4	API responses shall be delivered within 2 seconds under normal load.	Non-Functional	High
NFR-5	The system shall handle up to 100 campaign creations per minute.	Non-Functional	Medium

ID	Requirement Description	Type	Priority
NFR-6	Push notifications shall be delivered within 5 seconds of triggering events.	Non-Functional	Medium
NFR-7	The driver application shall not require interaction while the vehicle is in motion.	Non-Functional	High
NFR-8	The system shall comply with local road safety regulations regarding vehicle modifications.	Non-Functional	High
NFR-9	The system shall verify that advertisements do not obstruct driver visibility.	Non-Functional	High
NFR-10	The system shall monitor and flag potentially unsafe driving behaviors.	Non-Functional	Medium
NFR-11	User authentication shall employ secure password hashing.	Non-Functional	High
NFR-12	All API communications shall be encrypted using TLS.	Non-Functional	High
NFR-13	Payment information shall be handled in compliance with PCI DSS standards.	Non-Functional	High
NFR-14	User sessions shall timeout after 30 minutes of inactivity.	Non-Functional	Medium
NFR-15	The system shall implement rate limiting to prevent brute force attacks.	Non-Functional	Medium
NFR-16	The system shall maintain audit logs of all administrative actions.	Non-Functional	Medium
NFR-17	Usability: The interface shall be intuitive enough that a new user can complete basic tasks without assistance.	Non-Functional	High
NFR-18	Reliability: The system shall maintain 99.5% uptime during operating hours.	Non-Functional	High

ID	Requirement Description	Type	Priority
NFR-19	Availability: The system shall be available 24/7 with scheduled maintenance windows.	Non-Functional	High
NFR-20	Maintainability: The codebase shall follow consistent coding standards and include documentation.	Non-Functional	Medium
NFR-21	Portability: The mobile applications shall function on all Android devices meeting the minimum requirements.	Non-Functional	Medium
NFR-22	Scalability: The system shall be designed to scale horizontally to accommodate growth.	Non-Functional	Medium