

Count	Description of user story (As a / I need / So that)	Acceptance Criteria
1.1 Account Sign-Up	As a new user, I need to sign up using my email, username, and password so that I can access TreeWayz services and manage my rides.	- User can input email, username, and password.- Password rules are enforced.- Duplicate credentials show validation message.- Successful registration redirects to onboarding.
1.2 Login	As a registered user, I need to log in with my credentials so that I can securely access my account and saved data.	- System validates login info.- Error shown for invalid credentials.- Successful login opens home screen.
2.1 Notification Permission	As a user, I need to allow or decline trip notifications so that I can control updates about trips and promotions.	- Option to allow or decline appears.- Choice saved in user settings.- Can be changed later in Settings.
3.1 Post Ride (Driver)	As a driver, I need to post a new ride with pickup, destination, time, and seats so that riders can see and book it.	- All ride fields required.- Ride validated before posting.- Appears in Available Rides list.
4.1 View Rides (Rider)	As a rider, I need to see all available rides so that I can select one that matches my route and time.	- List shows driver, route, time, seats.- Updates in real time.
4.2 Book Seat	As a rider, I need to book a seat so that I can reserve a spot in a ride.	- Clicking "Book Seat" reduces seat count.- System confirms booking.- Availability updates instantly.
5.1 Suggested Rides	As a user, I need to view suggested rides by location and time so that I can find the best match.	- Suggestions appear after entering source/destination.- Sorted by proximity and departure time.
6.1 Update Profile	As a user, I need to update my personal info so that my account stays current.	- User can edit and save name, phone, email.- Changes persist to database.

6.2 Add Home/Work	As a user, I need to add my home and work addresses so that I can save frequent destinations.	- User can search or pin on map.- Saved addresses appear in Settings.
6.3 Enable RideTrack	As a user, I need to enable RideTrack safety alerts so that I receive help if something unusual occurs during a trip.	- RideTrack toggle works.- Alerts trigger when activity seems off.
6.4 View Login History	As a user, I need to view login history so that I can detect unauthorized access.	- Shows device, location, date.- “Current login” marked clearly.
7.1 Manage Payments	As a user, I need to add or select payment methods so that I can choose how I pay for rides.	- Add/edit/remove payment methods.- Cash option available.- Preferred method saved.
8.1 Rate Ride/Driver	As a rider, I need to rate my ride and driver so that I can provide feedback and improve service.	- Rating prompt after trip.- Acorns (stars) out of 5.- Ratings stored on driver profile.
9.1 View Past Rides	As a user, I need to see my past rides so that I can review or rebook previous routes.	- Activity tab lists completed rides.- Empty message shown if none.
10.1 Logout	As a user, I need to log out from my account so that my personal information stays secure.	- Logout button visible in account.- Confirmation popup appears (“About to leave us?”).- Redirects to login screen.

Non-functional (NF) user stories:

Count	Description of User Story (As a / I need / So that)	Quality Attribute
NF1 – Performance	As a user, I need the TreeWayz app to load available rides within 2 seconds so that I can quickly book rides without delay.	Performance

NF2 – Security	As a user, I need all passwords and payment data to be encrypted so that my personal information remains protected.	Security
NF3 – Usability	As a first-time user, I need the interface to be simple and intuitive so that I can easily understand how to post or book rides.	Usability
NF4 – Reliability	As a frequent user, I need the app to work consistently without crashes so that I can rely on it for daily travel.	Reliability
NF5 – Compatibility	As a user, I need TreeWayz to work smoothly on both Android and iOS devices so that I can access it from any platform.	Compatibility
NF6 – Accessibility	As a user with visual limitations, I need the app to support high-contrast and large-text options so that I can comfortably navigate the app.	Accessibility