SmartTrip NYC:

User Acceptance Test Report

Group 4

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1.0 Introduction

The forthcoming User-Acceptance Test (UAT) is designed to give business stakeholders hard evidence that the application works the way real users expect before it is released to production. By executing test scripts that trace one-to-one from each user story and acceptance criterion, the team will confirm fitness for purpose, expose any functional gaps early, and provide a clear, data-driven "go / no-go" decision for the release.

Scope
UAT concentrates on functional behaviour that an end-user can observe: sign-up and log-in flows, dashboard navigation, trip creation and editing, itinerary management, and the usability and accessibility checks spelled out in the backlog (for example WCAG colour-contrast ratios, keyboard reachability and ARIA labelling). Thirty-six detailed test cases embody this scope, representing both happy paths and the key negative paths that matter to the business. Out of scope are low-level component, unit or integration tests (already handled by engineering), non-functional disciplines such as load/performance and penetration testing, and back-office tooling invisible to users.

Entry criteria
UAT will commence only after (1) every item flagged on the "Issue Tracker" has been completed and merged to the staging environment, e.g., all code has been pushed to the master branch and deployed;(2) all high-level scenarios and detailed scripts have been reviewed and approved by the Customer Lead; (3) test data, user accounts and environment configuration are stable; and (4) no open Severity-1 defects remain from earlier test phases.

Exit criteria
For UAT to pass, at least 90 percent of the 65 detailed test cases, equivalent to 58 or more passes, must succeed overall, every "Must"-priority scenario must pass without exception, and no Severity-1 defects may remain open (any Severity-2 issues must have an agreed business workaround).

A Severity-1 defect is defined as "A defect that causes a complete failure of a core system function or application. There is no workaround, and it halts the operation or prevents users from continuing."

A Severity-2 defect is defined as "A defect that significantly impacts a major feature, but the system is still operational. There may be a workaround, but it affects usability, performance, or reliability."

Professional Testing
The app has been tested with Liz Maybury. A principal product designer at Vimeo, based in NYC. Liz was shared the app and asked to explore its features for 1-2 hrs and provide critical feedback on the:

-   Core purpose of the app
-   Key features
-   UI/UX and flow

2.0 Test Strategy

Our acceptance-testing strategy is intentionally simple, traceable and risk-focused. We start by expanding each user story into a single, goal-oriented high-level scenario that expresses the business behaviour in everyday language. Those high-level scenarios form a lightweight "map" of what must be proved and are each assigned a priority flag - **M**ust, **S**hould or **C**ould - so the team can attack the most business-critical flows first and still have a graceful way to defer low-value tests if time runs short.

Every scenario is then decomposed into one or more detailed test cases that spell out pre-conditions, test data, user actions and the precise, measurable results that constitute a pass. Because each detailed case carries the ID of its parent scenario, and each scenario carries the ID of its originating user story, we preserve end-to-end traceability without heavyweight documentation.

Execution evidence is gathered in real time: the tester's name, a pass/fail verdict and a screenshot named after the test case are recorded immediately after each run, creating an audit-ready log that a non-technical stakeholder can inspect. Results roll up automatically: a scenario passes only if all of its constituent scripts pass, and the overall UAT passes only if at least 90 percent of the 36 detailed scripts succeed and every **Must** scenario clears. That explicit, numeric exit rule means there is no ambiguity on release readiness. By combining a two-tier structure for clarity, risk-based prioritisation for efficiency, and hard evidence for credibility, the strategy delivers both speed and confidence at the exact moment the business needs to sign off.

For clarity, we have categorised the User Stories, High-Level Test Scenarios and Detailed Scenarios based on what area of the website they reside. The categorisation is as follows:

- Landing Page
- Dashboard
- Trip Manager

User stories and acceptance criteria can be found at the following link <link>.

High-level test Scenarios can be found at the following link <link>.

Detailed test cases can be found at the following link <link>.

3.0 Results

3.1 Overall Breakdown:

3.1.1 Overall Pass Rates:
- Must: 79% (39/49)
- Should: 63% (7/11)
- Could: 50% (2/4)

- Total: 75% (48/64)

3.2 Landing Page:

3.2.1 Pass Rates
- Must: 44% (4/9)
- Should: (1/4)
- Could: N/A

3.2.2 Passed Features
These functionalities worked as expected:

- Landing page loads quickly and displays main features clearly.
- Call-to-action ("Sign Up") is visible and accessible.
- Google OAuth social sign-up and log-in both succeeded.
- Login with valid email/password works and redirects to the dashboard.
- Google OAuth handles consent denial gracefully.

3.2.3 Failed or Missing Features
These issues were identified:

- No custom offline error banner – Browser fallback page shown instead.
- Sign-up with valid email/password didn't auto-redirect to dashboard.
- Weak password was accepted – No inline validation message shown.
- No error handling for invalid email during sign-up.
- Forgot Password link not found or accessible.
- No "link expired" page during password reset test.
- No inline error when "new password" and "confirm password" fields mismatch.
- Unregistered user login shows "Whitelabel Error Page" – not a graceful error.

3.3 Dashboard:

3.3.1 Pass Rates
- Must: 92% (13/14)
- Should: 8.33% (5/6)
- Could: N/A

3.3.2 Passed Features
These functionalities worked as expected:

- "Create Trip" button met accessibility requirements (contrast, label, focus).
- Trip creation saved correct data and added trip to the dashboard.
- Date validation prevented illogical trip dates.
- Trip editing worked without page refresh and reflected correct data.
- Multiple edits persisted correctly without stale data.
- Trip deletion confirmed via modal, removed trip properly, and UI updated seamlessly.

- Post-creation redirection correctly routed user to the new trip's unique detail page.
- Unique trip URLs with isolated content worked as expected.
- AI itinerary generation worked with prompt submission, loading spinner, and redirection.
- Trending NYC videos rendered properly on load.
- Chat assistant UI behaved correctly — didn't auto-pop, overlapped nothing, and gracefully handled unknown queries.
- Search by hashtag field was present (but functionality failed — see below).

3.3.3 Failed or Missing Features
The following issues were identified:

- Hashtag search did not function — searching for a hashtag (e.g., #museum) did not return or update relevant results.
- Chat assistant failed to guide users on how to create a trip — it responded but did not give the expected guidance or steps.

3.4 Trip Manager:

3.4.1 Pass Rates
- Must: 84% (22/26)
- Should: 100% (1/1)
- Could: 50% (2/4)

3.4.2 Passed Features
These functionalities worked as expected:

- Navigation bar displayed "Dashboard" and "Logout" with proper accessibility and routing.
- Trip name and date remained visible and sticky across all pages.
- Tab system (Explore Places, My Itinerary, Saved Places) functioned with client-side routing.
- Recommended places loaded successfully, all relevant to NYC.
- Map and place cards rendered together; clicking a card centered the map.
- Search bar showed appropriate placeholder and autocomplete suggestions.
- Add to Itinerary button was present on all cards and successfully added items with time selection.
- Add to Saved Places and Remove from Saved Places features worked correctly.
- Live busyness indicators (low/med/high) appeared on each card.
- Busyness toggle buttons on the map operated as expected.
- Busyness prediction at selected times was shown on itinerary items.

- Itinerary grouped by time slots, with a limit of 3 items per slot enforced (though feedback button remained active).
- Export to Google Maps functionality was visible and correctly redirected users to a map route.

3.4.3 Failed or Missing Features
The following issues were identified:

- Non-NYC places appeared in search results (e.g., Eiffel Tower).
- Add to My Itinerary button remained active even after 3 items were added to a timeslot (limit enforcement message appeared, but button didn't disable).
- AI Recommendation button was missing from itinerary items, so AI replacement could not be tested.
- Weather status indicator was not integrated into the UI.
- Weather-based itinerary suggestions (e.g., rain alerts) did not appear.

3.5 Summary of Results:

The testing results across the Landing Page, Dashboard, and Trip Manager pages reveal that core user functionality has been implemented effectively, with most critical user stories meeting their acceptance criteria.

On the Landing Page, key flows such as email and social login worked, and the interface met performance and accessibility benchmarks. However, several weaknesses were identified, including missing validation feedback, an absent "Forgot Password" link, and fallback errors when offline - highlighting a need for improved error handling and user guidance during edge cases.

The Dashboard page performed well in supporting trip creation, editing, deletion, and AI-generated itineraries. Visual elements adhered to accessibility standards, and routing was smooth. That said, some features such as hashtag-based video search and assistant guidance on creating a trip failed to meet expectations.

The Trip Manager page showed strong results for itinerary management, live and predictive busyness indicators, and map integration. Tabbed navigation, client-side routing, and Google Maps export functioned correctly. Nonetheless, a few features, like NYC-only filtering in search, the enforcement of itinerary limits, and AI/place recommendation buttons, were either faulty or missing. Notably, weather-based itinerary suggestions were absent.

Overall, while the core user experience is in place and functional, enhancements in validation, assistant support, and edge-case handling are required to fully align the product with its intended user stories. However, in-line with the exit criteria as set out above, the User Acceptance Testing has failed and it is recommended that additional work is done to fix the failed tests. In particular, all the "Must" tests must be patched.

4.0 Feedback from Product Designer

Below is feedback from Liz Maybury, principal product designer at Vimeo NYC.

General Feedback:
Congrats on the app! You've created something really engaging and genuinely useful!

The core purpose of the app was immediately clear, and I found it easy to get started and create my first trip. The trip creation flow feels solid and intuitive. The addition of the AI trip creator was a highlight — I really enjoyed trying that out.

I particularly enjoyed the integration of social media clips. It added a splash of fun to the homepage and provided some inspiration for new places to try!

The Google Maps integration is a smart touch, seeing as it's a tool so many people already rely on and are familiar with using. The ability to export locations to where I'd actually use them (like Maps) made it feel like the app wasn't just for planning, but something I'd actively use during a trip.

And finally, as a New Yorker, I loved the 'busyness' level, as I'm always trying to avoid queues and crowds!

Areas for Improvement:
Sign-up Wall Friction: I had to log in to use the app, which might create a barrier as users are often protective of their email and may leave without trying the app. One idea: let users generate their first trip without signing up, and require login to save it. This small change might reduce drop-off and boost conversion, by tying sign-up to a moment of earned investment.

Explore Beyond the Core Flow: The trip creation flow is strong, and I'd love more control beyond that. For example, I'd like to have more flexibility in managing My Trip eg, reordering items and changing times.

Future Opportunities:
I can imagine lots of exciting ways this app could continue to evolve! For example, if a user selects some places they want to visit, but doesn't know how long they'll take or how far apart they are — how might the AI generate an optimized, logical itinerary for them? Or, what if I'm traveling with friends, how can we build a trip together? Lots of directions this could go!

This is a really exciting project and I'm looking forward to seeing where you take it next!"

5.0 Conclusion

The User Acceptance Testing (UAT) process provided valuable insights into how the application performs from an end-user perspective. Across the Landing Page, Dashboard, and Trip Manager components, the testing confirmed that many critical features are functional and align well with user expectations.

Features such as trip creation, editing, deletion, itinerary grouping, and map-based interaction performed reliably, and the application demonstrated strong foundations in terms of accessibility, routing, and responsiveness.

However, the UAT also exposed si areas that require further development. Several "Must"-priority test cases failed, particularly on the Landing Page, where basic validation and user guidance were lacking. The Trip Manager component also exhibited missing functionality, such as AI recommendation buttons and weather-driven itinerary suggestions.

These gaps mean that the application does not yet meet the predefined UAT exit criteria, which stipulate a 90% overall pass rate and full success across all Must scenarios. As such, the recommendation is not to proceed with release at this time. Instead, focused development effort should be directed at fixing the failed Must-level test cases and addressing the most critical usability issues. Doing so will ensure the product not only meets technical standards but also delivers a polished, dependable experience to its intended users.

User Stories and Acceptance Criteria - Landing Page

Story ID	User Story	Acceptance Criteria (Following Gherkin Syntax)
LP-01	As a new visitor, I want to understand what the app does so that I can decide whether to sign up.	**Given:** the user is on the app homepage, **When:** i want to understand what the app does so that i can decide whether to sign up., **Then:** the following conditions must be met: • Most significant features of the app are clearly visible. • User has easy naviagtion to sign up page. • The user experience aligns with expected functionality. • Confirmation or error messages are displayed where necessary.
LP-02	As a new user, I want to sign up using my email or social media account so I can start using the app.	**Given:** the user is on the landing page, **When:** i want to sign up using my email or social media account so i can start using the app., **Then:** the following conditions must be met: • Upon clicking the "Sign Up" button, the user is redirected to a secure sign up portal. • The user can sign up with social media accounts. • The user can sign up with email and password. • User input is validated and processed appropriately. • Confirmation or error messages are displayed where necessary. • Data is saved or retrieved correctly depending on the action. • Sensitive information is encrypted.
LP-03	As a registered user, I want to log in using my email or social media so I can access my trips.	**Given:** the user is on the landing page, **When:** i want to log in using my email or social media so i can access my trips., **Then:** the following conditions must be met: • There must be a clearly visible "Login" button. • Upon clicking this, the user is redirected to the login portal. • The user can input email and password or sign in with social media accounts. • User input is validated and processed appropriately. • Confirmation or error messages are displayed where necessary. • Data is saved or retrieved correctly depending on the action.
LP-04	As a registered user, I want to be able to reset my password if I have forgot it.	**Given:** the user is on the log in page, **When:** i want to be able to reset my password if i have forgot it., **Then:** the following conditions must be met: • A link to reset the users password is accessible and visible. • User input is validated and processed appropriately. • Confirmation or error messages are displayed where necessary. • Data is saved or retrieved correctly depending on the action.

User Stories and Acceptance Criteria - Dashboard

Story ID	User Story	Acceptance Criteria (Following Gherkin Syntax)
DB-01	As a logged-in user, I want to stay logged in. If I am inactive for a 30mins I want to be automatically signed out.	**Given:** the user has logged in, **When:** i want to stay signed in ., **Then:** the following conditions must be met: • Given that the user is authenticated, • When the user makes multiple subsequent requests, • Then the requests should be routed to the same backend server during the lifetime of the session. • And the user should not be required to log in again unless the session expires or they log out.
DB-02	As a logged-in user, I want the ability to manually sign out.	**Given:** the user has logged in, **When:** i want to log out, **Then:** the following conditions must be met: • A clearly visible "logout" button must be present, • On-click, this button must securly log the user out of their profile, • The user must then be redirected to the Landing page.
DB-03	As a logged-in user, I want to see my current and past trips.	**Given:** the user is on the Dashboard, **When:** i want to see my current and past trips., **Then:** the following conditions must be met: • The tiles representing the users trips are accessible and visible. • The tiles display the "name of trip" and "date". • The tiles can be sorted by "recently viewed" and "upcoming trips". • The user can click on a tile to access that trip. • The user can click on a "create new trip" button to begin planning a new trip.
DB-04	As a user, I want to be easily able to create a trip, name the trip and enter my travel dates.	**Given:** the user is on the Dashboard, **When:** i want to create a trip and start planning., **Then:** the following conditions must be met: • A "create trip" button is clearly visible. • The user can input their strip dates via a pop-up calendar. • The user can give their trip a custom name. • The trip is created after the user confirms these details.
DB-05	As a user, I want to be able to edit my trip details as many times as I want.	**Given:** the user is on the Dashboard, **When:** i want to edit my trip details., **Then:** the following conditions must be met: • Navigation to edit the trip is clearly visible for each trip. • The user can edit their details as much as they want. • The details are updated when the user confirms their new details.
DB-06	As a user, I want to be able to delete a trip.	**Given:** the user is on the Dashboard, **When:** i want to delete my trip., **Then:** the following conditions must be met: • A delete trip button must be clearly visible and unique for each trip. • A confirmation warning must pop-up to prevent accidental deletion. • After deletion, the trip is removed from the dashboard and the trips are reordered.
DB-07	As a user, I want to be redirected to my trip when I create a trip.	**Given:** the user is on the Dashboard, **When:** i have created a new trip., **Then:** the following conditions must be met: • The user is redirected to the new trip. • Each trip must be unique and the contents of it unique to that trip.

User Stories and Acceptance Criteria - Trip Manager

Story ID	User Story	Acceptance Criteria (Following Gherkin Syntax)
TM-01	As a user, I want to be able to navigate to the dashboard and logout from the trip manager.	**Given:** the user is on the Manage Trip page, **When:** i want navigate to the dashboard or logout, **Then:** the following conditions must be met: • A header including a Dashboard and Logout must be present. • Clicking on these will redirect accordingly. • The app logo must also redirect to the dashboard.
TM-02	As a user, I want to know that I am on the correct trip management page.	**Given:** the user is on the Manage Trip page, **When:** i want confirmation I am on the right page., **Then:** the following conditions must be met: • The trip name and date must always be present on the page.
TM-03	As a user, I want one comprehensive and responsive page where I can do the following without needing to refresh the page: 1. View potential places to visit 2. View my itinerary 3. Save places that I might visit	**Given:** the user is on the Manage Trip page, **When:** i want to navigate my trip features., **Then:** the following conditions must be met: • An Explore Places, My Itinerary and Saved Places tab must be present. • The user can switch between these three tabs to see different information unique to their trip.
TM-04	As a user, I want to be recommended tourist locations in Manhattan with the ability to filter these recommendations based on my preferences.	**Given:** the user is on the Manage Trip page, **When:** i want to see recommended places, **Then:** the following conditions must be met: • Tourist locations in Manhattan must be recommended to the user. • A filter button must be clearly visible to use. • The user can select from pre-determined filters and confirm selections. • The recommended places are updated based on the filters.
TM-05	As a user, I want to see text-based place information for each place as well as a map locating each place.	**Given:** the user is on the Manage Trip page, **When:** i want to see place information and its location, **Then:** the following conditions must be met: • The trip manager must contain a map and a space for place information. • Each place is displayed in as individual "Place Card". • Each Place Card includes information specific to that place. • Each place is located on the map with a location marker. • If the user clicks a Place Card, the map must center on the place.
TM-06	As a user, I want to be able to search for places in Manhattan.	**Given:** the user is on the Manage Trip page, **When:** i want to search for places, **Then:** the following conditions must be met: • A search bar is clearly visible and in a suitable location. • Default suggestion text is in the search bar to help guide the user. • The search bar has autocomplete funcitonality to help the user. • The recommended function only recommends places in Manhattan.
TM-07	As a user, when I find a place I like, I want to be able to add it to my itinerary.	**Given:** the user is on the Manage Trip page, **When:** i want to add a place to My Itinerary **Then:** the following conditions must be met: • Each Place Card must have an "Add to My Itinerary" button. • When this is clicked, the user can decide what time to add it to their itinerary. • When a place is added to the user's itinerary, the Place Card must update to say it has been added and at what time.

Story ID	User Story	Acceptance Criteria (Following Gherkin Syntax)
TM-08	As a user, when I find a place I like but i'm not sure I want to go there, I want to be able to add it to my Saved Places.	**Given:** the user is on the Manage Trip page, **When:** i want to add a place to Saved Places **Then:** the following conditions must be met: • Each Place Card must have an "Add to Saved Places" button. • When this is clicked, this add's it to the user's saved places. • When this is added, the Place Card must update to say it has been added. • The user has the ability to remove it from Saved Places from the Explore Pages area.
TM-09	As a user, I want to know if a place is currently busy.	**Given:** the user is on the Manage Trip page, **When:** i want to know if a place is currently busy **Then:** the following conditions must be met: • When the Explore Places page is loaded, every Place Card must show the current business level. • Business levels are categorised as low/med/high and must be color coded for visual clarity. • The Explore Places map must have a "Show Business" button that visually displays the business in Manhattan at that the time it is clicked. • The "Show Business" button must change to "Hide Business" to allow the user to return the map to its previous state.
TM-11	As a user, I want to know if it will be busy during the timeslot I have chosen to go to a place.	**Given:** the user is on the Manage Trip page, **When:** i want to know if a place will be busy at a particular timeslot. **Then:** the following conditions must be met: • When a user adds a place to their itinerary at a specific time, the Place Card must predict what business rating will be at that time. • Business levels are categorised as low/med/high and must be color coded for visual clarity.
TM-12	As a user, I have three places I am thinking of going to but I want to chose the one that will be the quietest.	**Given:** the user is on the Manage Trip page, **When:** i want to be able to add multiple places to the same timeslot to compare their business levels **Then:** the following conditions must be met: • The user can add up to three places to any timeslot. • It is clear which places belong to which timeslot. • If the places exceed the maximum allowable, the user is unable to add more places and they must be notified live on screen.
TM-13	As a user, I want to be able to replace a place in my itinerary with an AI recommendation.	**Given:** the user is on the Manage Trip page, **When:** i want to replace a place on my itinerary with an AI recommendation **Then:** the following conditions must be met: • Each place in My Itinerary has an "AI recommendation" button. • When clicked, this button generates a new Place Card that is AI recommended. • The new place card will replace the card that was used to generate the recommendation.
TM-14	As a user, I want to be able to export my itinerary to Google Maps.	**Given:** the user is on the Manage Trip page, **When:** i want to be able to export my itinerary to google maps., **Then:** the following conditions must be met: • An "export to Google Maps" butotn is accessible and visible. • User input is validated and processed appropriately. • Confirmation or error messages are displayed where necessary. • Data is saved or retrieved correctly depending on the action. • The user is redirectred to Google Maps.
TM-15	As a user, I want to be alerted to itinerary suggestions based on changing weather, time of day, or current events.	**Given:** the user is on the Manage Trip page, **When:** i want to be alerted to itinerary suggestions based on changing weather, **Then:** the following conditions must be met: • A weather status is displayed on the mobile app.

Story ID	User Story	Acceptance Criteria (Following Gherkin Syntax)
DB-08	As a user, I want to be able to input text and get an AI generated trip based off my text.	**Given:** the user is on the Dashboard, **When:** i want to get an AI generated itinerary., **Then:** the following conditions must be met: • A "Create Smart Itinerary" button is clearly visible. • The user is allowed to enter a sentence describing their preferred trip. • The trip is created after the user submits their sentence. • While the trip is generating, a loading symbol must be used to confirm the AI model is "thinking". • The user is redirected to the trip when the trip is generated.
DB-09	As a user, I want to be able to see videos of popular or trending tourist activities in NYC. This might help be decide what I want to do or where I want to go.	**Given:** the user is on the Dashboard, **When:** i want to be able to see tourist activities in NYC., **Then:** the following conditions must be met: • Trending social media videos must be visible on the page. • The user has the ability to search for videos using #'s.
DB-10	As a user, I want to be able to interact with a chat assistant in case I have any questions regarding the app.	**Given:** the user is on the Dashboard, **When:** i have a question about the app., **Then:** the following conditions must be met: • The assistant must be clearly visible but not in the way. • The assistant must not disturb/distract the user. • The assistant must help/guide the user in how best to interact with it. • If the assistant does not have an answer they must acknowledge that.
DB-11	As a user, I want to be able to see top rated itineraries from other users.	**Given:** the user is on the Dashboard, **When:** i want to be able to see top rated itineraries from other users., **Then:** the following conditions must be met: • The name of the itinerary is visible. • I can get to their social media accounts (if provided) via their itinerary. • The type of places they visited is clear in the description. • I have the ability to give a thumbs up or thumbs down rating.
DB-12	As a user, I want to know when is the best time to book flights (there is a free SkyScanner API we can use?)	**Given:** the user is on the app homepage, **When:** i want to know when is the best time to book flights (is there a skyscanner api we can use?), **Then:** the following conditions must be met: • The relevant feature is accessible and visible. • User input is validated and processed appropriately. • Confirmation or error messages are displayed where necessary. • Data is saved or retrieved correctly depending on the action. • The user experience aligns with expected functionality.
DB-13	As a user, I want to be notified if a place in my itinerary becomes unavailable or changes status (e.g., closes early, gets booked out).	**Given:** the user is on the Manage Trip page, **When:** i want to be notified if a place in my itinerary becomes unavailable or changes status (e.g., **Then:** the following conditions must be met: • An email is sent to the user.

High-Level Test Scenarios - Landing Page

Story ID	Scenario ID	Scenario	Priority	Acceptance Criteria Addressed
LP-01	SC-1.1	First-time visitor sees a concise value proposition (headline + 3 key features) above the fold.	M	• Most significant features of the app are clearly visible.
LP-01	SC-1.2	"Sign Up" call-to-action is visually prominent and scrolls/smooth-scrolls to, or routes to, sign-up flow.	M	• Easy navigation to sign-up page
LP-01	SC-1.3	Landing Page loads within 3s and handles missing assets with graceful fallback messaging.	S	• User experience aligns with expected functionality
LP-02	SC-2.1	Successful email + password sign-up (happy path) stores salted/hashed credentials and redirects to dashboard.	M	• Email sign-up, data saved, confirmation shown, sensitive info encrypted
LP-02	SC-2.2	Attempt sign-up with weak password → inline validation message; cannot proceed.	M	• User input is validated; error messages displayed
LP-02	SC-2.3	Social sign-up via Google OAuth → account created, JWT issued, user routed to dashboard.	M	• Social-media sign-up; secure portal
LP-02	SC-2.4	Network failure during submission → user sees retry/"something went wrong" banner; no partial account created.	S	• Confirmation or error messages displayed; UX aligns
LP-03	SC-3.1	Registered user logs in with correct email/password → token set, trips dashboard displayed.	M	• Secure log-in portal; data retrieved
LP-03	SC-3.2	Log-in with unregistered email → generic "invalid credentials" message (no user enumeration).	M	• Validation + error messaging
LP-03	SC-3.3	Social log-in (Google) succeeds when consent granted; fails with clear message if consent denied.	S	• Social-media log-in; confirmation/error handling
LP-04	SC-4.1	"Forgot password?" link is visible on log-in form and keyboard-accessible.	M	• Link accessible and visible
LP-04	SC-4.2	Successful reset: user requests link → receives email → sets new password → confirmation banner.	M	• Validation, confirmation, data updated
LP-04	SC-4.3	Token older than 24 h → "link expired" page and option to resend.	S	• Error message displayed; UX aligns
LP-04	SC-4.4	Attempt reset with mismatched "new password" & "confirm" fields → inline validation prevents submit.	S	• Input validated; error messages displayed

Notation:	
LP-xx = User Story identifier.	
SC-x.y = Scenario number (x = story, y = sequence).	
Priority legend: M = Must, S = Should, C = Could.	

High-Level Test Scenarios - Dashboard

Story ID	Scenario ID	Scenario	Priority	Acceptance Criteria Addressed
DB-01	SC-1.1	"Create Trip" CTA is visible and meets accessibility contrast & focus rules	M	• "Create Trip" CTA visible
DB-01	SC-1.2	User creates a trip by entering name + dates → trip saved & appears in list	M	• Name field • Calendar picker • Trip saved
DB-01	SC-1.3	Trip dates chosen with calendar widget obey min/max and logical order	S	• Date picker behaviour
DB-02	SC-2.1	Edit icon/button is present for every trip card	M	• Navigation to edit visible
DB-02	SC-2.2	User edits name and dates, saves → list reflects new data without page refresh	M	• Details updated
DB-02	SC-2.3	Multiple consecutive edits persist correctly (no stale cache)	S	• Edit "as many times as I want"
DB-03	SC-3.1	Delete button unique per trip card and keyboard-accessible	M	• Delete button visible
DB-03	SC-3.2	Confirmation modal appears, default focus on Cancel	M	• Warning pop-up
DB-03	SC-3.3	After confirming delete, trip is removed and list re-orders correctly	S	• Trip removed • Re-ordered list
DB-04	SC-4.1	Upon successful create, user is auto-redirected to new trip detail page	M	• Redirect to new trip
DB-04	SC-4.2	Each trip has its own unique URL & independent content	M	• Trip uniqueness
DB-05	SC-5.1	"Create Smart Itinerary" button visible on dashboard	M	• Button visible
DB-05	SC-5.2	User enters free-text prompt → loading spinner appears until itinerary created	M	• Enter sentence • Loading symbol
DB-05	SC-5.3	After generation, user is redirected to newly generated trip page	M	• Redirect on completion
DB-06	SC-6.1	Trending NYC videos grid is displayed on dashboard load	S	• Videos visible
DB-06	SC-6.2	User searches by hashtag → results list updates to matching clips	C	• Search by #
DB-07	SC-7.1	Chatbot widget is visible but does not overlap core UI on standard viewports	M	• Visible, not in the way
DB-07	SC-7.2	Widget stays collapsed until user opens it (no auto-pop)	M	• Must not disturb user
DB-07	SC-7.3	User asks a common question → assistant provides helpful guidance message	M	• Help / guide user
DB-07	SC-7.4	For an unknown question, assistant replies with graceful "I don't know" + fallback	S	• Acknowledge no answer

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SC-x.y = Scenario number (x = story, y = sequence).
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High-Level Test Scenarios - Trip Manager

Story ID	Scenario ID	Scenario (goal-oriented)	Priority	Acceptance Criteria Addressed
TM-01	SC-1.1	Header shows Dashboard & Logout links	M	• Links visible
TM-01	SC-1.2	Clicking Dashboard/logo routes to dashboard	M	• Redirects correctly
TM-01	SC-1.3	Clicking Logout ends session & returns to login	M	• Redirects correctly
TM-02	SC-2.1	Trip name & date always visible in header	M	• Trip info present
TM-03	SC-3.1	Explore Places / My Itinerary / Saved Places tabs visible	M	• Tabs present
TM-03	SC-3.2	Switching tabs swaps content without page refresh	M	• Tab switch
TM-04	SC-4.1	Recommended NYC places list shows on load	M	• Recommendations shown
TM-04	SC-4.2	Filter button visible & keyboard-accessible	M	• Filter button
TM-04	SC-4.2	Applying filters updates list accordingly	M	• List updates
TM-05	SC-5.1	Map + info panel render together	M	• Map + place cards
TM-05	SC-5.2	Each place card has a marker on map; click card ⇒ map centres	M	• Marker, centre map
TM-06	SC-6.1	Search bar visible with hint text	M	• Search bar visible
TM-06	SC-6.2	Autocomplete suggestions appear while typing	M	• Autocomplete
TM-06	SC-6.2	Results limited to Manhattan	M	• Manhattan only
TM-07	SC-7.1	Add to My Itinerary button on every place card	M	• Button present
TM-07	SC-7.2	User sets timeslot then card shows added @ time	M	• Added & timestamp
TM-08	SC-8.1	Add to Saved Places button present	M	• Button present
TM-08	SC-8.2	Card updates to "Saved" & can be removed	M	• Saved / remove
TM-09	SC-9.1	Each place shows live busyness (low/med/high, colour)	M	• Current busyness
TM-09	SC-9.2	Show Business overlay toggles on map	M	• Show / Hide Business
TM-10	SC-10.1	When place added, predicted busyness for that time shown	M	• Future busyness
TM-11	SC-11.1	Up to 3 places can be queued for a timeslot	M	• ≤3 places
TM-11	SC-11.2	UI groups queued places by timeslot clearly	M	• Grouping clarity

Story ID	Scenario ID	Scenario (goal-oriented)	Priority	Acceptance Criteria Addressed
TM-11	SC-11.3	Attempting to exceed limit shows inline notification	M	• Live notification
TM-12	SC-12.1	AI Recommendation on itinerary card	C	• Button present
TM-12	SC-12.2	Clicking replaces card with AI-chosen place	C	• Replacement occurs
TM-13	SC-13.1	Export to Google Maps button visible	C	• Button visible
TM-13	SC-13.2	Export validates, then opens Maps with itinerary pins	C	• Redirect & data
TM-14	SC-14.1	Current weather status indicator visible on mobile UI	C	• Weather status
TM-14	SC-14.2	For an unknown question, assistant replies with graceful "I don't know" + fallback	C	• Acknowledge no answer

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Detailed Test Cases - Landing Page

Story ID	Test Case ID	Priority	Objective/ Acceptance Criterion(s)	Preconditions & Data	Step-by-Step Actions	Expected Results	Tester	Actual Result	Pass/Fail	Evidence Link
LP-01	TC-LP-1.1	M	First-time visitor sees a concise value proposition (headline + 3 key features) above the fold.	Browser cache cleared; network throttled to Fast 3G.	1 Navigate to / (landing). 2 Observe initial viewport (no scroll). 3 Resize to 375 × 812.	• Page loads in ≤ 3 s. • Headline and ≥ 3 feature blurbs visible (no horizontal scroll). • Cumulative Layout Shift ≤ 0.1.	Shuangning Wei	CLS =0.08 LCP(Largest Contentful Paint)=0.8s All features and headlines visible	Pass	Link to Google Drive or GitHub containing screenshots of all test results.
LP-01	TC-LP-1.2	M	"Sign Up" call-to-action is visually prominent and scrolls/smooth-scrolls to, or routes to, sign-up flow.	TC-LP-1.1 passed.	1 Locate CTA. 2 Use Tab to focus; verify focus ring. 3 Click (or Enter).	• Easy navigation to sign-up page	Shuangning Wei	actual Result=expected results	Pass	
LP-01	TC-LP-1.3	S	Landing Page loads within 3s and handles missing assets with graceful fallback messaging.	DevTools → Offline.	1 Refresh landing page. 2 Observe error banner. 3 Return to Online, click Retry.	• Branded "No connection" banner with Retry. • No un-styled 4xx/5xx. • Banner disappears after successful reload.	Shuangning Wei	The browser displayed the default "No Internet" (ERR_INTERNET_DISCONNECTED) screen. No custom error banner was shown. No "Retry" button was available. User experience was interrupted and fell back to the browser's fallback pag	Fail	
LP-02	TC-LP-2.1	M	Successful email + password sign-up (happy path) stores salted/hashed credentials and redirects to dashboard.	On /signup; test email not in DB. Data = new.user+ts@sample.com / Str0ngP@ss!	1 Fill form with data. 2 Submit. 3 Watch network tab.	• POST /users sent over HTTPS • 201 returns JWT (exp ≥ 24 h). • Auto-redirect to /dashboard with welcome toast.	Shuangning Wei	• not auto-redirect to any page	Fail	
LP-02	TC-LP-2.2	M	Attempt sign-up with weak password → inline validation message; cannot proceed.	N/A	1 Enter pwd = 12345./ email=xxxx@gmail.com 2 Blur field / submit.	• Inline error: "Password must be ≥ 8 chars…".or "the email doesn't exist" • Submit disabled while error present.	Shuangning Wei	No weak password block No Invalid email addresse block	Fail	
LP-02	TC-LP-2.3	M	Social sign-up via Google OAuth → account created, JWT issued, user routed to dashboard.	Google test-app configured.	1 Click Continue with Google. 2 Grant consent.	• Social-media sign-up; secure portal	Shuangning Wei	google oauth login successfully	Pass	
LP-03	TC-LP-3.1	M	Registered user logs in with correct email/password → token set, trips dashboard displayed.	Valid user exists.	1 Open /login. 2 Enter correct creds. 3 Submit.	• 200 OK; HttpOnly JWT set. • Redirect to /dashboard showing user trips.	Shuangning Wei	actual Result=expected results	Pass	
LP-03	TC-LP-3.2	M	Log-in with unregistered email → generic "invalid credentials" message (no user enumeration).	Email not in DB.	1 Enter ghost@no-user.com + any pwd. 2 Submit.	• Message "Email or password incorrect" in graceful way • Response code = 401; rate-limit header present.	Shuangning Wei	redirect to Whitelabel Error Page	Fail	
LP-03	TC-LP-3.3	S	Social log-in (Google) succeeds when consent granted; fails with clear message if consent denied.	Google account exists.	1 Click Google; deny consent.	• Return to /login with "Permission denied". 2 Retry, grant consent.	Shuangning Wei	actual Result=expected results	Pass	
LP-04	TC-LP-4.1	M	"Forgot password?" link is visible on log-in form and keyboard-accessible.	On /login.	1 Tab through form.	• Link accessible and visible	Shuangning Wei	NO forgot password	Fail	
LP-04	TC-LP-4.2	M	Successful reset: user requests link → receives email → sets new password → confirmation banner.	User email exists.	1 Submit email on reset page. 2 Open received link. 3 Set new strong pwd, confirm.	• "Link expired" page with Resend button.	Shuangning Wei	There is no such page	Fail	
LP-04	TC-LP-4.3	S	Token older than 24 h → "link expired" page and option to resend.	Token age > 24 h (manually set).	1 Open expired link.	• Error message displayed; UX aligns	Shuangning Wei		Fail	
LP-04	TC-LP-4.4	S	Attempt reset with mismatched "new password" & "confirm" fields → inline validation prevents submit.	In reset form.	1 Type differing strings. 2 Blur / submit.	• Inline error "Passwords do not match". • Submit disabled until resolved.	Shuangning Wei	There is no such page	Fail	

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Detailed Test Cases - Dashboard

Story ID	Test Case ID	Priority	Objective/ Acceptance Criterion(s)	Preconditions & Data	Step-by-Step Actions	Expected Results	Tester	Actual Result	Pass/Fail	Evidence Link
DB-01	TC-DB-1.1	M	"Create Trip" CTA is visible and meets accessibility contrast & focus rules	Logged-in user at /dashboard; viewport ≥ 1024 × 768; both light & dark themes toggled during execution.	1 Locate primary CTA. 2 Press Tab until the button receives focus. Note: Contrast checker can be found here: https://webaim.org/resources/contrastchecker/	• Button text = "Create Trip". • WCAG AA colour contrast ≥ 4.5 : 1. • Focus outline visible; aria-label="Create trip" present.	Shuangning Wei	Button text= 'Plan a new trip' and "generate with AI" WCAG AA colour contrast =15.7:1	pass	Link to Google Drive or GitHub containing screenshots of all test results.
DB-01	TC-DB-1.2	M	User creates a trip by entering name + dates → trip saved & appears in list	No existing trip with the name "Summer in NYC".	1 Click Create Trip. 2 Enter Name = "Summer in NYC". 3 Open calendar, choose 2025-08-01. 4 Click Save.	• POST /trips returns 201 with correct ISO dates. • Dashboard list prepends new card showing "Summer in NYC · 1 Aug 2025".	Shuangning Wei	Actual results = expected results	pass	
DB-01	TC-DB-1.3	S	Trip dates chosen with calendar widget obey min/max and logical order	Trip-creation modal open.	1 Select travel date earlier than current date. 2 Attempt to save.	• Inline error "travel planning date must be after current date". • Save button disabled until dates valid.	Shuangning Wei	Actual results = expected results	pass	
DB-02	TC-DB-2.1	M	Edit icon/button is present for every trip card	≥ 1 trip exists.	1 Hover each card – verify pencil icon or "Edit". 2 Press Tab / Shift + Tab until it gains focus.	• Icon appears on hover. • Focus ring visible; aria-controls="edit-trip-<id>" unique per card	Shuangning Wei	Actual results = expected results	pass	
DB-02	TC-DB-2.2	M	User edits name and dates, saves → list reflects new data without page refresh	Existing trip "Summer in NYC".	1 Click its Edit. 2 Change name to "NYC Reunion"; move dates 1 day forward. 3 Click Update.	• PATCH /trips/{id} 200 OK. • Card now shows "NYC Reunion · 2 Aug ". • No full page refresh.	Shuangning Wei	Actual results = expected results	pass	
DB-02	TC-DB-2.3	S	Multiple consecutive edits persist correctly (no stale cache)	Same trip as 2.2.	Repeat 2.2 three times with new values each pass.	• Last edit wins; list shows final values; browser localStorage holds only latest state.	Shuangning Wei	Actual results = expected results	pass	
DB-03	TC-DB-3.1	M	Delete button unique per trip card and keyboard-accessible	≥ 1 trip.	1 Press Shift + Tab from browser address bar until Delete icon focused.	• aria-label="Delete trip <name>" unique. • No duplicate id attributes.	Shuangning Wei	Actual results = expected results	pass	
DB-03	TC-DB-3.2	M	Confirmation modal appears, default focus on Cancel	Same context.	1 Activate Delete. 2 Modal opens. 3 Press Esc key.	• Modal closes. • No API call sent.	Shuangning Wei	Actual results = expected results	pass	
DB-03	TC-DB-3.3	S	After confirming delete, trip is removed and list re-orders correctly	Trip present to delete.	1 Delete → Confirm.	• DELETE /trips/{id} 204. • Card disappears instantly; remaining cards collapse upward (no blank gap).	Shuangning Wei	Actual results = expected results	pass	
DB-04	TC-DB-4.1	M	Upon successful create, user is auto-redirected to new trip detail page	DevTools open.	Perform TC-DB-1.2.	• After 201 response, client routes to /trips/<new-id> within 500 ms. • Breadcrumb shows new trip name	Shuangning Wei	client routes to /trips/231 in 35ms	pass	
DB-04	TC-DB-4.2	M	Each trip has its own unique URL & independent content	Two distinct trips created.	1 Open each trip in separate tabs. 2 Call GET /trips/{id} from dev-tools.	• IDs differ. • Each response contains only its own itinerary items.	Shuangning Wei	/trips/231 and /trips/232	pass	
DB-05	TC-DB-5.1	M	"Create Smart Itinerary" button visible on dashboard	User on dashboard, < 10 trips.	1 Locate button without scrolling at 1280 × 800.	• Button visible, enabled; WCAG AA contrast met.	Shuangning Wei	Actual results = expected results	pass	
DB-05	TC-DB-5.2	M	User enters free-text prompt → loading spinner appears until itinerary created	-	1 Click button. 2 Enter "5-day vegan food tour in NYC". 3 Submit	• POST /ai-itineraries payload contains prompt. • Global spinner overlays UI; no other clickables enabled. • Spinner removed only after 200 response.	Shuangning Wei	Actual results = expected results	pass	
DB-05	TC-DB-5.3	M	After generation, user is redirected to newly generated trip page	Result from 5.2.	-	• Route changes to /trips/<ai-id>. • Toast "Smart itinerary ready!".	Shuangning Wei	Actual results = expected results	pass	
DB-06	TC-DB-6.1	S	Trending NYC videos grid is displayed on dashboard load	-	1 Scroll to media section.	• ≥ 4 thumbnails render.	Shuangning Wei	Actual results = expected results	pass	
DB-06	TC-DB-6.2	S	User searches by hashtag → results list updates to matching clips	-	1 Enter #museum in search bar, press Enter.	• GET /videos?q=%23museum 200. • Grid refreshes; each card shows "#museum" highlighted.	Simon Maybury	No # search feature available	fail	
DB-07	TC-DB-7.1	M	Chatbot widget is visible but does not overlap core UI on standard viewports	Dashboards at resolutions: 1440 × 900 and 375 × 812.	1 Load page, inspect widget position.	• Bottom-right offset 24 px; does not overlap any CTA.	Simon Maybury	Actual results = expected results	pass	
DB-07	TC-DB-7.2	M	Widget stays collapsed until user opens it (no auto-pop)	Same view.	1 Wait 60s idle.	• No auto-expand, sound, or vibration.	Shuangning Wei	Actual results = expected results	pass	
DB-07	TC-DB-7.3	M	User asks a common question → assistant provides helpful guidance message	-	1 Open widget. 2 Ask "How do I create a trip?"	• Assistant replies with step-by-step list and direct Create Trip button emphasis.	Shuangning Wei	Assistant does not provide information on how to create a trip.	fail	
DB-07	TC-DB-7.4	S	For an unknown question, assistant replies with graceful "I don't know" + fallback	-	1 Ask "What's the square root of a duck?"	• Reply: "I'm not sure about that. Try our Help Center or contact support." • No blank or error message.	Shuangning Wei	Assistant provides a response to say it does not know the answer to the question and suggests possible questions to ask	pass	

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Detailed Test Cases - Trip Manager

Story ID	Test Case ID	Priority	Objective/ Acceptance Criterion(s)	Preconditions & Data	Step-by-Step Actions	Expected Results	Tester	Actual Result	Pass/Fail	Evidence Link
TM-01	TC-TM-1.1	M	Header shows Dashboard & Logout links	On /explore/{id} On /myitinerary/{id} On /saved/{id}	1 Inspect header area.	• Text links Dashboard, Logout visible; colour contrast ≥ 4.5 : 1.	Simon Maybury	Links to Dashboard and logout visible. Colour contrast = 21:1.	Pass	Link to Google Drive or GitHub containing screenshots of all test results.
TM-01	TC-TM-1.2	M	"Dashboard" / logo redirects to /dashboard	On /explore/{id} On /myitinerary/{id} On /saved/{id}	1 Click Dashboard. 2 Confirm URL = /dashboard. 3 Navigate back; click logo. 2 Confirm URL = /dashboard.	• Both clicks route to dashboard; JWT unchanged.	Simon Maybury	"Dashboard" and logo redirect to /dashboard successfully with JWT unchanged.	Pass	
TM-01	TC-TM-1.3	M	Clicking Logout ends session & returns to login	User must be logged in	1 Click Logout.	• API POST /auth/logout 204. • JWT cookie cleared. • Browser redirected to /login.	Simon Maybury	Actual results = expected results	Pass	
TM-02	TC-TM-2.1	M	Trip name & date always visible	Trip named "NYC August", dates 1–5 Aug 2025.	Scroll through page.	• Header sub-title "NYC August · 1 August 2025" fixed (sticky) and never scrolls off top.	Simon Maybury	Trip name & date is always visible. On Explore Places tab, the hero banner reduces to give more space to the place cards. The banner returns to its starting size after 20 seconds of inactivity.	Pass	
TM-03	TC-TM-3.1	M	Explore Places / My Itinerary / Saved Places tabs visible	User must be logged in and in the trip manager area	1 Inspect top nav inside page.	• Tabs Explore Places, My Itinerary, Saved Places visible; each is role =tab; first tab selected by default.	Simon Maybury	The tree tabs are visible. The first tab "Explore Places" is selected as default. The selected tab is highlighted with bold text and is underlined.	Pass	
TM-03	TC-TM-3.3	M	Switching tabs uses client-side routing	-	1 Click Saved Places. 2 Observe network panel. 3 Click My Itinerary.	• No full-page reloads (no document request). • Content area swaps instantly; URL hash or query updates if used.	Simon Maybury	Switching between tabs (e.g. "Saved Places" → "My Itinerary") triggered no full-page reloads. Verified via Chrome DevTools Network panel: no document type request was made; only xhr and svg+xml resources were loaded. The content updated instantly and the URL changed to /myitinerary/184, confirming client-side routing is functioning correctly.	Pass	
TM-04	TC-TM-4.1	M	Recommended list shows on load	User logged in on has the Explore Places tab selected	1 Open Explore Places tab. 2 Count list of places. 3 Observe addresses 4 Repeat 3 times for consistency	• ≥ 20 place cards render; all have location = NYC.	Simon Maybury	Actual results = expected results	Pass	
TM-04	TC-TM-4.2	M	Filter button visible & keyboard-reachable	User logged in on has the Explore Places tab selected	1 Tab until button focus. 2 Check aria-label="Filter places".	• Focus ring visible, contrast AA.	Simon Maybury	The colour contrast of the focus ring to the background is 14.4:1 which would pass. However, the colour contrast of the button and the focus ring is 2.46:1, making the focus ring difficult to see.	Fail	
TM-04	TC-TM-4.3	M	Applying filters updates list accordingly	Filter = "Museums"	1 Open filter panel, check Museums, apply.	• GET /places?type=museum 200. • Card count updates; all cards tagged "museum".	Simon Maybury	Actual results = expected results	Pass	
TM-05	TC-TM-5.1	M	Map + place cards render together	User logged in on has the Explore Places tab selected	1 Load page; view first paint.	• Map canvas fills 50 % width; info panel shows cards.	Simon Maybury	Actual results = expected results	Pass	
TM-05	TC-TM-5.3	M	Each place card has a marker on map; click card ⇒ map centres	Place card "Empire State Bldg"	1 Click card.	• Map centres on marker "Empire State" pops-up; card highlighted.	Simon Maybury	Actual results = expected results	Pass	
TM-06	TC-TM-6.1	M	Search bar visible w/ hint	User logged in on has the Explore Places tab selected	1 Look for input top of panel.	• Placeholder "Search for a place or attraction. Use filters below to edit search".	Simon Maybury	Actual results = expected results	Pass	
TM-06	TC-TM-6.2	S	Autocomplete suggestions	User logged in on has the Explore Places tab selected	Type "cent"	• Dropdown lists "Central Park", "Century 21", …	Simon Maybury	Actual results = expected results	Pass	
TM-06	TC-TM-6.2	M	Results NYC-only	User logged in on has the Explore Places tab selected	Search "The Eiffel Tower"	• Zero results; info toast "Only NYC places are shown".	Simon Maybury	The Eiffel Tower in Paris returned as a result.	Fail	
TM-07	TC-TM-7.1	M	Add to My Itinerary button on every place card in Explore Places tab	Card visible.	1 View Card for button.	• Add to My Itinerary button visible on card	Simon Maybury	Actual results = expected results	Pass	
TM-07	TC-TM-7.2	M	Add w/ timeslot & confirmation	Choose 10:00	1 Click button. 2 Select 10:00. 3 Confirm.	• POST /itinerary 201 with slot=10:00. • Card badge "Added @ 10:00". • My Itinerary tab shows entry.	Simon Maybury	Actual results = expected results	Pass	

Story ID	Test Case ID	Priority	Objective/ Acceptance Criterion(s)	Preconditions & Data	Step-by-Step Actions	Expected Results	Tester	Actual Result	Pass/Fail	Evidence Link
TM-08	TC-TM-8.1	M	Clicking Add to Saved places on a card saves that card in Saved Places	User logged in on has the Explore Places tab selected	1 Click Add to Saved Places.	• Place card appears in Saved Places tab	Simon Maybury	Actual results = expected results	Pass	
TM-08	TC-TM-8.2	M	Clicking Removed Places on a card removes that card from Saved Places	User logged in on has the Explore Places tab selected	1 Open Saved Places tab. 2 Click Remove on card.	• DELETE /saved/{id} 204; card disappears from list and Explore tab updates badge to normal.	Simon Maybury	Actual results = expected results	Pass	
TM-09	TC-TM-9.1	M	Each place shows live busyness (low/med/high, colour)	User logged in on has the Explore Places tab selected	1 Observe each card.	• Badge "Low", "Med", "High" with blue / orange / pink colour.	Simon Maybury	Actual results = expected results	Pass	
TM-09	TC-TM-9.2	M	Show/Hide Low, Med, High Busyness markers on the map	User is logged in and viewing the map	1 Enable low, med, high busyness 2 Disable low, med, high busyness	• Low, Med, High markers show and hide based on toggle • Ability to toggle any combination of low, med, high	Simon Maybury	Actual results = expected results	Pass	
TM-10	TC-TM-10.1	M	When place added to My Itinerary, a predicted busyness for that time is shown	Places added to My Itinerary	1 Navigate to Explore Places 2 Select "Add to My Itinerary" and choose 10:00 3 Navigate to My Itinerary and inspect 10:00 timeslot	• Card displays "Busyness rating at 10:00: <level>"	Simon Maybury	Actual results = expected results	Pass	
TM-11	TC-TM-11.1	M	Limit 3 places per slot	Slot = 14:00, add 3 places	• All 3 added, UI chips show 3/3.	• Three cards shown in 14:00 timeslot	Simon Maybury	Actual results = expected results	Pass	
TM-11	TC-TM-11.3	M	Group by timeslot	View My Itinerary.	• Navigate to My Itinerary. • Observe grouping of cards	• Cards are grouped by their time slot and are in chronological order.	Simon Maybury	Actual results = expected results	Pass	
TM-11	TC-TM-11.2	M	Exceed limit triggers notice	Try adding 4th place to 14:00.	• Attempt to add fourth card to 14:00 timeslot	• Inline toast "Maximum 3 places for this time"; button disabled.	Simon Maybury	Unable to add fourth card to 14:00 time slot. However, "Add to My Itinerary" button is still active.	Pass	
TM-12	TC-TM-12.1	M	AI Recommendation button present	User is logged in and on My Itinerary Tab	Card in My Itinerary	• Button text "AI recommendation".	Simon Maybury	Button is not present	Fail	
TM-12	TC-TM-12.2	M	Replacement occurs	User is logged in and on My Itinerary Tab	1 Click button. 2 Wait spinner.	• POST /ai/replace 200 returns new place data. • Old card slides out; new card slides in with "AI" badge.	Simon Maybury	As per TC-TM-12.1, button is not present	Fail	
TM-13	TC-TM-13.1	C	Export button visible	My Itinerary not empty.	• Button label "Export to Google Maps" visible near top-right.	• Button is present and named appropriately	Simon Maybury	Actual results = expected results	Pass	
TM-13	TC-TM-13.2	C	Successful export & redirect	1 Click export. 2 Choose All day.	• POST /export/google 302 with encoded map URL. • New tab opens https://www.google.com/maps/dir/?api=1&destination=… showing pins in order.	• User is redirected to Google Maps • Location is loaded enabling user to navigate using Googel Maps	Simon Maybury	Actual results = expected results	Pass	
TM-14	TC-TM-14.1	C	Weather status visible	-	• Weather chip (icon + °C) fixed in bottom toolbar.	• Weather status visible	Simon Maybury	No weather status integration present	Fail	
TM-14	TC-TM-14.3	C	Suggestion on impactful change	-	• Inline banner "Rain expected at 15:00 – consider indoor activities" with View options link; clicking opens filtered list	• Alerts if impactful weather change	Simon Maybury	As per TC-TM-14.1, no weather status integration present	Fail	

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