

# Test Plan Document

Test Plan id: TP01

Test Plan Name: Portfolio Project Database Migration

Version: 1.0

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Author: Kyrylo Holushko

Objective: To verify correct operation of the new database provider (Supabase).

In-Scope: Functional Regression Testing of the Express.js API for bags.io.

Positive testing of:

- user sign up
- user log in
- bag creation
- bag modification
- bag deletion
- item creation
- item modification
- item deleting
- bag creation, item creation, user deletion (testing cascade-on-delete)

Negative testing of:

- item reading
- bag reading
- user log in

Out-Scope: Testing of root route, non-existing routes, password changing, and moving items.

Resources: Computer, Internet, Postman, Postman Query Collection (JSON File), Test Executioner.

Schedule: **DEADLINE:** January 27<sup>th</sup>, 2025. (ElephantSQL end of service)

Test Strategy: Integration Testing (Express.js with Supabase SQL) through user simulated testing. Smoke testing.

Risk Analysis:

Risk Cause	Risk Effect	Mitigation Strategy
Database suspended due to inactivity	No connection to database	Resume database

Assumptions: Supabase database has all the tables, columns, constraints, and relationships have been set up prior to testing. A local clone of the API is setup with new database connection and is running.

Dependencies: Test Executioner.