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**Test Plan and Results Document**

**Test Cases**

1. **Check for empty password when signing up:** This is important so that the account remains secure and so that the account can be stored.
2. **Make sure that there is a @ in email:** Every email must feature a ‘@’ sign or it is not an proper email address.
3. **Password is not Less than 8 characters:** Short passwords are the most fallible to brute force attacks.
4. **Password is not more than 16 characters:** A password with no max length is subject to attacks by overloading the system. There can also be mismatch in limits between database and client-side which could be an issue.
5. **Date of Birth is not ahead of current day:** No one’s database when registering should be ahead of the current day because anyone signing up can never be born tomorrow or future days.
6. **Email Already Registered:** It is important that replication of emails does not happen because you could face issues of people logging into the wrong account (with same email). There also can be issues of account hijacking by creating a new account with existing email.
7. **Booking none or negative tickets:** It doesn’t make sense to be able to buy no tickets or to buy negative tickets. The system should be implemented to stop this behavior from happening.
8. **Booking too many tickets:** No one should be able to book more tickets than available. This can be a concern for max venue capacities and keeping up with governmental regulations.
9. **Attempting to book tickets while not logged in:** We want to force login for ticket booking so that the tickets can be saved to an account. This will also be useful for emailing event info regarding the event.
10. **Logging in with invalid password or email:** If the user attempts to login with details that do not match the database, they should be presented with a message to let them know that something is wrong.
11. **Successful login:** While self-explanatory, sometimes it is beneficial to check whether the user is logged in and display a message when successful.
12. **New Registered User will see no booked tickets:** As expected, a brand new user should be able to see that they have no active booked tickets.
13. **Registered users should have bought tickets shown on profile:** This is important so that users are being shown correct info regarding the events they have purchased. This includes number of tickets, event name, date, and location.\
14. **Profile Page Displays accurate user info:** This is important for the user to see their profile information so they can update it. It is also important that OTHER peoples’ account information is not being displayed as that is a breach of information and privacy.
15. **Edit Profile Button:** It would be expected that a user may change their details at a click of a button. This would be ideal for incorrect input information or
16. **Validate Missing Inputs in Checkout:** All checkout boxes must be filled out as that is highly important. Missing name on card, card information, is insane.
17. **Validate improper checkout inputs:** Card information but be entered in a certain format. CVC must be 3 characters long, card number must be 16 digits, etc.
18. **Valid checkout:** Valid checkouts should be met with a thankful message as a way to communicate a success in the transaction. This can help to relieve the user which may help with possible customer services.

**Test Case Table**

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| --- | --- | --- | --- | --- | --- |
| Test Case ID | Description | Expected Output | Actual Output | PASS/FAIL | Remarks |
| LoginSignup001 | Check empty password | “Please fill out this field” | “Please Fill out this field” | PASS |  |
| Signup002 | Check no @ in email | “Please include an ‘@’ in the email address. [input email] is missing an @ | “Please include an ‘@’ in the email address. Testgmail.com is missing an @” | PASS |  |
| Signup003 | Password less than 8 characters  Tested input: user1 | “Please lengthen this text to 8 characters or more (you are currently using [number] characters” | “Please lengthen this text to 8 characters or more (you are currently using 5 characters”  Ex: user1 | PASS |  |
| Signup004 | Password greater than 16 characters | There is no output to user, the form doesn’t allow the user to type more than 16 characters. | There is no output to user, the form doesn’t allow the user to type more than 16 characters. | PASS |  |
| Signup005 | Date of Birth ahead of today  Tested input:  12/12/2026 | “Date of Birth must be in the past” | “Date of Birth must be in the past” | PASS |  |
| Signup006 | Email Already Registered | “Email already registered” | “Email already registered” | PASS |  |
| Booking001 | Booking 0 tickets  Tested inputs: 0, -2 | “Please select at least one ticket” | “Please select at least one ticket” | PASS |  |
| Booking002 | Booking too many tickets  Tested input:  Available: 48  Bought: 56 | “Not Enough Tickets Available” | “Not Enough Tickets Available | PASS |  |
| Booking003 | Attempt to book tickets not logged in | “Please login to book tickets” | “Please login to book tickets” | PASS |  |
| Login002 | Password or Email doesn’t match DB | “Invalid email or password.” | “Invalid email or password.” | PASS |  |
| Login003 | Successfully Login | “Logged in successfully!” | “Logged in successfully!” | PASS |  |
| Profile001 | New Registered User will show no booked tickets | “You haven’t Booked any Tickets” | “You haven’t Booked any Tickets” | PASS |  |
| Profile002 | Registered User who has bought tickets will show Ticket History in Profile Page | “[number] ticket(s) to **[event]** on [date] at [location]” | “2 tickets(s) to **Jazz Night 2025** on 2025-07-10 at City Arena “ | PASS |  |
| Profile003 | Profile Page displays accurate user information | “Welcome [name] 👋  Email: [email]  Date of Birth: [dob]  Bio: [bio] | Welcome, Hunter Smith 👋  Email: huntertsmith4778@gmail.com  Date of Birth: January 07, 2003  Bio: Hi | PASS |  |
| Profiles004 | Edit Profile button allows user to update their user details. | “Update your user details below  Name: Date of Birth: Email: Bio: “ | BUTTON NOT FUNCTIONAL | FAIL | The edit profile button has not been implemented yet. |
| Checkout001 | Site validates missing user input during checkout) | “Please fill out this field” | NONE | FAIL | We currently do not have a functioning checkout. For our prototype currently, the tickets are freely “bought” |
| Checkout002 | Site states invalid credit card info | “Credit Card is not valid | NONE | FAIL | No checkout yet |
| Checkout003 | Site states valid credit card transactions. | “Thank you for purchasing tickets” | Lacks implementation. | FAIL |  |