

Testing and Preparation

Black Box Testing

Sign up Page

User Registration Feature

Testing Email Field

Valid Equivalence Classes	<ol style="list-style-type: none">1. Conditions for a valid Email<ul style="list-style-type: none">o Email starts with at least 1 alphabet charactero Email contains exactly 1 "@" symbolo Email contains at least 1 "." symbolo Email contains at least 1 alphabet character before and after the "." symbol
Invalid Equivalence Classes	<ol style="list-style-type: none">1. Starting Character<ul style="list-style-type: none">o Email starts with a non-alphabet character (NOT implemented. Can sign up with !hotmail.com..)
	<ol style="list-style-type: none">2. No "@" Symbol<ul style="list-style-type: none">o Email does not contain any "@" symbol
	<ol style="list-style-type: none">3. Greater than 1 "@" Symbol<ul style="list-style-type: none">o Email contains greater than 1 "@" symbol
	<ol style="list-style-type: none">4. No "." Symbol<ul style="list-style-type: none">o Email does not contain any "." Symbol
	<ol style="list-style-type: none">5. Characters before and after "." symbol<ul style="list-style-type: none">o Email does not contain at least 1 alphabet character before and after the "." Symbol

Testing Password Field

Valid Equivalence Classes	<ol style="list-style-type: none">1. Conditions for a valid Password<ul style="list-style-type: none">o Password is greater than 7 characters in lengtho Password contains at least 1 uppercase charactero Password contains at least 1 lowercase charactero Password contains at least 1 special charactero Password contains at least 1 digit
Invalid Equivalence Classes	<ol style="list-style-type: none">1. Length of the Password<ul style="list-style-type: none">o Password is less than or equal to 7 characters in length
	<ol style="list-style-type: none">2. Uppercase Letters in the Password<ul style="list-style-type: none">o Password does not contain any uppercase letterso Password does not contain any lowercase letters
	<ol style="list-style-type: none">3. Lowercase Letters in the Password<ul style="list-style-type: none">o Password does not contain any lowercase letters
	<ol style="list-style-type: none">4. Special Characters in the Password<ul style="list-style-type: none">o Password does not contain any special characters
	<ol style="list-style-type: none">5. No Digits in the Password<ul style="list-style-type: none">o Password does not contain any digits

Testing Confirm Password Field

Valid Equivalence Classes	<ol style="list-style-type: none">1. Password is retyped correctly<ol style="list-style-type: none">o Password is exactly the same as specified in Password field
Invalid Equivalence Classes	<ol style="list-style-type: none">1. Password is retyped incorrectly<ol style="list-style-type: none">o "password do not match,try again"

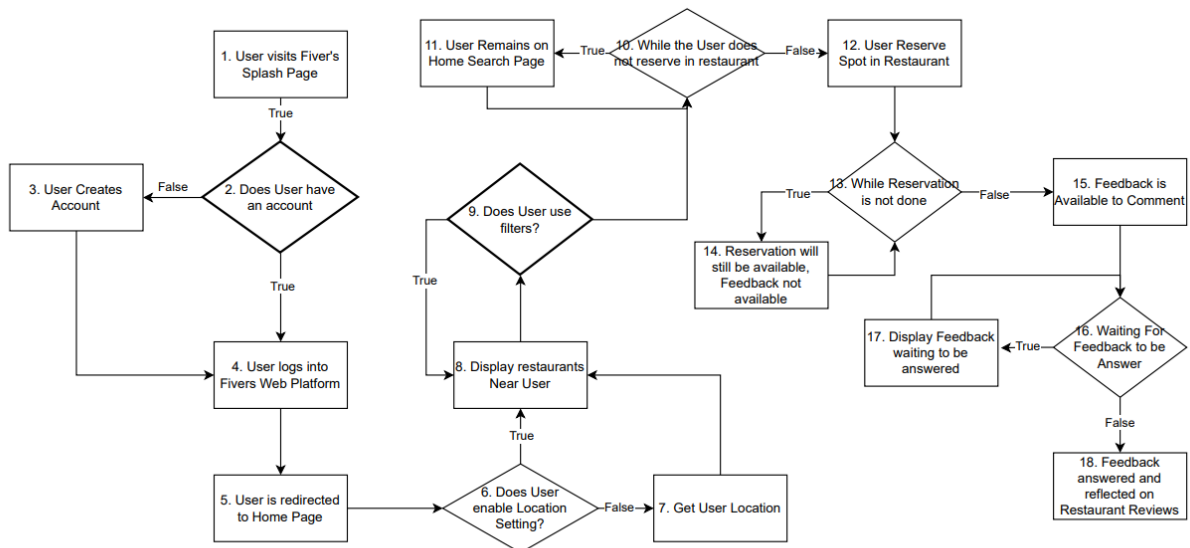
Test Cases for Email Field

Testing for	Email	Expected/Actual Result
	Pfiver@gmail.com	User registered successfully!
Only contains one "@"	Pfiver@g@mail.com	"A part following "@" should not contain any "@"
Must have "." symbol	Pfiver@gmail	Invalid email
Must have "@" symbol	Pfiver	"Please include an @ at email address"
Must have characters before and after "."	Pfiver@gmail.	"please enter part follow by @". "Pfiver@gmail." is incomplete

Test Cases for Password Field

Boundary Test	Password	Confirm Password	Expected/Actual Result
Success Case	Str0nGP@ss123	Str0nGP@ss123	User registered successfully!
Length Of Password	Pass1#	Pass1#	Invalid password format!
Uppercase Testing	password#1	password#1	Invalid Password format!
Lowercase Testing	PASSWORD#1	PASSWORD#1	Invalid Password Format!
No Special Characters	Password1	PASSWORD1	Invalid password Format!
No Digits in Password	Password#	Password#	Invalid Password Format!

Control Flow Graph (White-Box Testing)



Basic Paths	Test Cases
<p>1-2-4-5-6-8-9-10-12-13-14-15-16-18</p>	<ul style="list-style-type: none"> • User Visits Page • User Logins with account present • User Has Location Enabled • User Does not use Filters and Retrieves Restaurant • User Reserves Spot in Restaurant • Reservation is Done for User • User will give Feedback
<p>1-2-3-4-5-6-8-9-10-12-13-14-15-16-18</p>	<ul style="list-style-type: none"> • User Visits Page • User Creates Account • User Logins with Created Account • User Has Location Enabled • User Does not use Filters and Retrieves Restaurant • User Reserves Spot in Restaurant • Reservation is Done for User • User will give Feedback
<p>1-2-4-5-6-7-8-9-10-12-13-14-15-16-18</p>	<ul style="list-style-type: none"> • User Visits Page • User Logins with account • User not Location Enabled • User enabled location for search function • User Does not use Filters and Retrieves Restaurant • User Reserves Spot in Restaurant • Reservation is Done for User • User will give Feedback
<p>1-2-4-5-6-8-9-8-9-10-12-13-14-15-16-18</p>	<ul style="list-style-type: none"> • User Visits Page • User Logins with account present • User Has Location Enabled • User Does uses Filters • New Restaurant List pops up for user • User Reserves Spot in Restaurant • Reservation is Done for User • User will give Feedback

1-2-4-5-6-8-9-10-11-10-12-13-14-15-16-18	<ul style="list-style-type: none"> • User Visits Page • User Logins with account present • User Has Location Enabled • User Does not use Filters and Retrieves Restaurant • User remains to see other restaurant details for options • User Reserves Spot in Restaurant • Reservation is Done for User • User will give Feedback
1-2-4-5-6-8-9-10-12-13-14-15-16-17-16-18	<ul style="list-style-type: none"> • User Visits Page • User Logins with account present • User Has Location Enabled • User Does not use Filters and Retrieves Restaurant • User Reserves Spot in Restaurant • Reservation is Done for User • User decides to give feedback after some time • User then gives feedback