DateNight Test Plan

Team 2

Functional Requirement 1

As a user, I would like to optionally register for an account using Google.

Functional Test Cases

Test ID	1
Title	Redirect after login
Instructions	New user clicks on "Login with Google" button and completes login
Expected Result	Main page appears with an indication that they are logged in.
Severity	Critical

Test ID	2
Title	New user is created in database
Instructions	New user clicks on "Login with Google" button and completes login
Expected Result	New user with user information and email is added to database
Severity	Critical

Boundary Test Cases

Test ID	3
Title	User backs out of sign up
Instructions	New user clicks on "Login with Google" button and clicks cancel once they get on the login screen
Expected Result	User is redirected to the home screen and given an error

Severity	Important

Functional Requirement 2

As a user, I would like to log into my account if I have one.

Functional Test Cases

Test ID	4
Title	Login button UI functionality
Instructions	New user clicks on "Login with Google" button
Expected Result	User is redirected to "Login with Google" screen where they can choose a Google account
Severity	Critical

Test ID	5
Title	Redirect after login
Instructions	New user clicks on "Login with Google" button and clicks a Google account
Expected Result	User is redirected back to where they were
Severity	Critical

Equivalence Test Cases

Test ID	6
Title	Valid login credentials
Instructions	New user clicks on "Login with Google" and attempts to register with a valid google account
Expected Result	User is prompted with "welcome to datenight" dialog and/or landing page

Severity	Critical

Boundary Test Cases

Test ID	7
Title	User backs out of sign up
Instructions	New user clicks on "Login with Google" button and clicks cancel once they get on the login screen
Expected Result	User is redirected to the home screen and given an error
Severity	Important

Functional Requirement 3

As a user, I would like to log out of my account if I am logged in.

Functional Test Cases

Test ID	8
Title	Button UI functionality
Instructions	A logged in user clicks on the username dropdown and clicks on the logout button
Expected Result	A dropdown will present the logout option, and the logout option will prompt an API call
Severity	Critical

Test ID	9
Title	Logout of account functionality
Instructions	A logged in user clicks on the username dropdown and clicks on the logout button
Expected Result	A dropdown will present a the logout option, and the logout option will prompt an API call

Severity	Critical

Test ID	10
Title	Ending User Session
Instructions	User navigates through dropdown and clicks on logout button
Expected Result	The user session ends and the user is redirected to an appropriate home page
Severity	Critical

Boundary Test Cases

Test ID	11
Title	Log out while not logged in
Instructions	User is using application while not logged in
Expected Result	The client does not show a logout button
Severity	Critical

Functional Requirement 4
As a user, I would like to be able to enter a location to search within.

Functional Test Cases

Test ID	12
Title	Text field functionality
Instructions	User clicks on text field and starts typing
Expected Result	Text field changes with input
Severity	Critical

Equivalence Test Cases

Test ID	13

Title	Valid location text field functionality
Instructions	User clicks on text field and starts typing a valid address
Expected Result	Text field allows submission
Severity	Important

Test ID	14
Title	Invalid location text field functionality
Instructions	User clicks on text field and starts typing an invalid address
Expected Result	Text field does not allow submission
Severity	Important

Functional Requirement 5
As a user, I would like to be able to choose a price point to search by.

Functional Test Cases

Test ID	15
Title	Selecting price point
Instructions	User checks a radio button ranging from cheap, moderately priced, and expensive
Expected Result	Correct radio button is selected according to what user selected
Severity	Critical

Boundary Test Cases

Test ID	16
Title	Selecting multiple price points
Instructions	User checks a radio button ranging from cheap, moderately priced, and expensive

	and then tries to select another one
Expected Result	Radio button switches and deselects the old one
Severity	Important

Functional Requirement 6

As a user, I would like to be able to choose a type of date to search for.

Functional Test Cases

Test ID	17
Title	Selecting date type dropdown
Instructions	User clicks on dropdown
Expected Result	Dropdown goes down and shows various date types to select from
Severity	Critical

Test ID	18
Title	Selecting exact date type
Instructions	User selects certain date after clicking on dropdown
Expected Result	Date type field is populated with the date type the user selected
Severity	Critical

Functional Requirement 7

As a user, I would like to be able to choose a time duration minimum/maximum.

Functional Test Cases

Test ID	19
Title	Entering minimum time
Instructions	User types in the minimum time they want

	the date to take in the "minimum time" field
Expected Result	The time that the user typed in is converted using greedy algorithm and it is displayed in the "minimum time" field
Severity	Critical

Test ID	20
Title	Entering maximum time
Instructions	User types in the maximum time they want the date to take in the "maximum time" field
Expected Result	The time that the user typed in is converted using greedy algorithm and it is displayed in the "maximum time" field
Severity	Critical

Equivalence Test Cases

Test ID	22
Title	Entering a negative number
Instructions	User types in a negative number in the min/max time fields
Expected Result	An error is shown and the form is not submittable
Severity	Important

Test ID	23
Title	Entering a valid time
Instructions	User types in a positive number in the mi/max time fields
Expected Result	The form is submittable

Severity	Important

Boundary Test Cases

Test ID	24
Title	Entering something that is NaN
Instructions	User types in something that is not a number
Expected Result	An error is shown and the form is not submittable
Severity	Important

Functional Requirement 8
As a user, I would like to be able to submit my search parameters.

Functional Test Cases

Test ID	25
Title	Submitting search parameters for date
Instructions	User clicks on "search for date" button
Expected Result	Redirects user to list page that shows date ideas by best fit
Severity	Critical

Boundary Test Cases

Test ID	26
Title	Unable to submit invalid data
Instructions	User enters invalid data
Expected Result	Form is not submittable
Severity	Critical

Test ID	27
Title	Unable POSTs invalid data
Instructions	User submits post request by means other than the UI
Expected Result	Server returns an error to the client
Severity	Important

Functional Requirement 9
As a developer, I would like to have a detailed plan for creating and implementing our date search algorithm and API.

This is not a testable user story.

Functional Requirement 10
As a developer, I would like an algorithm and API to search for date events based on the search parameters.

Functional Test Cases

Test ID	28
Title	Endpoint configuration
Instructions	Client makes a GET request to the API route
Expected Result	The API will recognize and be able to find the specified GET request and handle it
Severity	Critical

Test ID	29
Title	Endpoint returns proper data based on query
Instructions	Client makes a GET request to the API route with or without parameters
Expected Result	The API will return the proper date events based on specifying parameters

Severity	Critical

Functional Requirement 11

As a user, I would like to view my search results on a Google Maps style map with pins.

Functional Test Cases

Test ID	30
Title	Map rendering
Instructions	User makes a request for date events through the client
Expected Result	Client renders the appropriate events on a Google Maps styled viewport with the appropriate pins returned from the API
Severity	Critical

Test ID	31
Title	Map interactivity
Instructions	User pans with cursor and zooms in and out
Expected Result	The map will pan and zoom appropriately
Severity	Critical

Functional Requirement 12

As a user, I would like to be able to click on a pin to get more information about one of the results.

Functional Test Cases

Test ID	32
Title	Pin existence
Instructions	User completes a search
Expected Result	Client renders the appropriate events on a Google Maps styled viewport with the

	appropriate pins returned from the API
Severity	Critical

Test ID	33
Title	Pin functionality
Instructions	User clicks on one of the pins on the map
Expected Result	Client renders a pop up over the pin containing information
Severity	Critical

Test ID	34
Title	Information existence
Instructions	User clicks on one of the pins on the map
Expected Result	Pin will show popup with info about the date
Severity	Critical

Functional Requirement 13

As a user, I would like to be able to use a map pin to redirect to that event's website.

Functional Test Cases

Test ID	35
Title	Pin existence
Instructions	User completes a search
Expected Result	Client renders the appropriate events on a Google Maps styled viewport with the appropriate pins returned from the API
Severity	Critical

Test ID	36

Title	Pin functionality
Instructions	User clicks on one of the pins on the map
Expected Result	Client renders a pop up over the pin containing information
Severity	Critical

Test ID	37
Title	Redirect functionality
Instructions	User clicks on one of the pins on the map
Expected Result	Client redirects to the location's website
Severity	Critical

Boundary Test Cases

Test ID	38
Title	No website for date idea
Instructions	User clicks on one of the pins on the map
Expected Result	Popup bubble does not show url field or link
Severity	Important

Functional Requirement 14
As a user, I would like to see movie showtimes if I click on a theater.

Functional Test Cases

Test ID	39
Title	Showtimes exist
Instructions	User clicks on a theater
Expected Result	A view pops up with showtimes for the day

Severity	Important

Test ID	40
Title	Endpoint functionality
Instructions	Client makes a get request for showtimes
Expected Result	The API will send the current showtimes for the day
Severity	Critical

Boundary Test Cases

Test ID	41
Title	Theatre showtimes do not exist
Instructions	User clicks on the pin without information from the Fandango API
Expected Result	Popup does not show showtimes
Severity	Important

Functional Requirement 15
As a user, I would like to view my search results in a list-style view.

Functional Test Cases

Test ID	42
Title	List is shown
Instructions	User completes a search using parameters they provide
Expected Result	A list view of the results is shown on the UI
Severity	Critical

Boundary Test Cases

Test ID	43
Title	No items in list
Instructions	User completes a search using parameters they provide and there are no results
Expected Result	A text box shows up notifying the user that there are no date ideas
Severity	Important

Functional Requirement 16

As a user, I would like to be able to see price range for each result in the list-style view.

Functional Test Cases

Test ID	44
Title	Price range is shown for list items
Instructions	User completes a search using parameters they provide and clicks on one of the list item results
Expected Result	Information about the item that was clicked is shown, including price range
Severity	Important

Equivalence Test Cases

Test ID	45
Title	Price range is not available for list item
Instructions	User completes a search using parameters they provide and clicks on one of the list item results that does not have a price range
Expected Result	Information about the item that was clicked is shown, excluding price range
Severity	Important

Functional Requirement 17

As a user, I would like to be able to see reviews for each result in the list-style view.

Functional Test Cases

Test ID	46
Title	Reviews are shown for list items
Instructions	User completes a search using parameters they provide and clicks on one of the list item results
Expected Result	Information about the item that was clicked is shown, including reviews
Severity	Important

Equivalence Test Cases

Test ID	47
Title	Reviews are not available for list item
Instructions	User completes a search using parameters they provide and clicks on one of the list item results that does not have reviews
Expected Result	Information about the item that was clicked is shown, excluding reviews
Severity	Important

Functional Requirement 18

As a user, I would like to be able to see hours for each result in the list-style view.

Functional Test Cases

Test ID	48
Title	Hours are shown for list items
Instructions	User completes a search using parameters they provide and clicks on

	one of the list item results
Expected Result	Information about the item that was clicked is shown, including hours
Severity	Important

Equivalence Test Cases

Test ID	49
Title	Hours are not available for list item
Instructions	User completes a search using parameters they provide and clicks on one of the list item results that does not have hours
Expected Result	Information about the item that was clicked is shown, excluding hours
Severity	Important

Functional Requirement 19
As a user, I would like to be able to see contact info like a website and phone number for each result in the list-style view.

Functional Test Cases

Test ID	50
Title	Contact information is shown for list items
Instructions	User completes a search using parameters they provide and clicks on one of the list item results
Expected Result	Information about the item that was clicked is shown, including contact information
Severity	Important

Equivalence Test Cases

Test ID	51
Title	Contact information is not available for list item
Instructions	User completes a search using parameters they provide and clicks on one of the list item results that does not have contact information
Expected Result	Information about the item that was clicked is shown, excluding contact information
Severity	Important

Functional Requirement 20

As a user, I would like to be able to sort the list-style view by price range.

Functional Test Cases

Test ID	52
Title	Button functionality
Instructions	User completes a search and clicks on sort button in the list view
Expected Result	A dropdown is shown with sorting options
Severity	Important

Test ID	53
Title	Sort by price range
Instructions	User completes a search, clicks on sort button in the list view, and clicks on the price option
Expected Result	List items are sorted by price provided
Severity	Important

Functional Requirement 21

As a user, I would like to be able to sort based on rating.

Functional Test Cases

Test ID	54
Title	Button Functionality
Instructions	User completes a search and clicks on sort button in the list view
Expected Result	A dropdown is shown with sorting options
Severity	Important

Test ID	55
Title	Sort By Rating
Instructions	User completes a search, clicks on sort button in the list view, and clicks on the rating option
Expected Result	List items are sorted by rating provided
Severity	Important

Functional Requirement 22
As a user, I would like to be able to start a date plan.

Functional Test Cases

Test ID	56
Title	Start Date Plan button existence
Instructions	User completes search and clicks on item in list view
Expected Result	A button titled "Start Date Plan" is shown in the list item details
Severity	Critical

Test ID	57

Title	Start Date Plan button functionality
Instructions	User completes search, clicks on item in list view, and clicks on "Start Date Plan"
Expected Result	User is redirected to a date plan editing page.
Severity	Critical

Test ID	58
Title	Date Plan is populated with one item
Instructions	User completes search, clicks on item in list view, and clicks on "Start Date Plan"
Expected Result	Date plan open in the editor is populated with the item that was clicked in the list view
Severity	Important

Functional Requirement 23
As a user, I would like to be able to add and remove things from a date plan.

Functional Test Cases

Test ID	59
Title	Add to date plan button existence
Instructions	Create date plan with one date event
Expected Result	Button to add more events to the date plan is shown
Severity	Critical

Test ID	60
Title	Add to date plan button functionality
Instructions	Create date plan with one date event, click button to add more date events

Expected Result	Form to add more date events is shown
Severity	Critical

Test ID	61
Title	Remove from date plan button existence
Instructions	Create date plan with one date event
Expected Result	Button to remove date event is shown
Severity	Critical

Test ID	62
Title	Remove from date plan button functionality
Instructions	Create date plan with one date event, click button to delete a date event
Expected Result	Date event is deleted from the date plan
Severity	Critical

Functional Requirement 24

As a user, I would like to be able to save a date plan to my account (account required).

Functional Test Cases

Test ID	63
Title	UI Functionality
Instructions	User generates a date plan and selects "save to my plan" button
Expected Result	Frontend prompts the API, receives back a confirmation, and prompts the user with a dialogue that indicates success or failure
Severity	Critical

Test ID	64
Title	API Functionality
Instructions	User generates a date plan and selects "save to my plan" button
Expected Result	API receives the frontend call, adds the event entry to the database, and returns success or error
Severity	Critical

Boundary Test Cases

Test ID	65
Title	API Functionality
Instructions	User generates a date plan and tries to save the plan even though they are not logged in via means other than the user interface
Expected Result	API receives the frontend call, returns an error because the user is not logged in and the frontend displays the error
Severity	Critical

Functional Requirement 25
As a user, I would like to be able to view my previously saved date plans (account required).

Functional Test Cases

Test ID	66
Title	UI Functionality
Instructions	User signs in, selects the user dropdown, and selects "My date plans" button
Expected Result	Frontend prompts the API, receives back the users date plans, and prompts the

	user with a listview on success, or error on error
Severity	Critical

Test ID	67
Title	API Functionality
Instructions	User signs in, selects the user dropdown, and selects "My date plans" button
Expected Result	API receives frontend prompt, and queries the database to populate a list of user date plans, and returns 200
Severity	Critical

Boundary Test Cases

Test ID	68
Title	API Functionality
Instructions	User generates tries to select a previous date plan when they are not logged in via means other than the user interface
Expected Result	API receives the frontend call, returns an error because the user is not logged in and the frontend displays the error
Severity	Critical

Functional Requirement 26
As a user, I would like to be able to rate completed plans privately for future reference (account required).

Functional Test Cases

Test ID	69
Title	UI Functionality
Instructions	User signs in, selects a saved date plan,

	interacts with the rating UI, and submits 1-5 "stars"
Expected Result	UI should register user input and prompt the backend API
Severity	Critical

Test ID	70
Title	API Functionality
Instructions	User signs in, selects a saved date plan, interacts with the rating UI, and submits 1-5 "starts"
Expected Result	The API should take the input from the user, modify the entry in the database, and return 200
Severity	Critical

Boundary Test Cases

Test ID	71
Title	API Functionality
Instructions	User tries to rate date plans while they are not logged in
Expected Result	API receives the frontend call, returns an error because the user is not logged in and the frontend displays the error
Severity	Critical

Functional Requirement 27
As a user, I would like to be able to delete a date plan (account required).

Functional Test Cases

Test ID	72
Title	Button UI Functionality

Instructions	User opens saved date plan list, selects a date plan, and clicks "Delete Date Plan" button
Expected Result	Frontend prompts API to delete date plan and waits for user response
Severity	Critical

Test ID	73
Title	API Functionality
Instructions	User opens their saved date plan list, selects a date plan, and clicks "Delete Date Plan" button
Expected Result	API receives delete request, removes the date plan from the database, and returns 200
Severity	Critical

Equivalence Test Cases

Test ID	74
Title	Date plan has not yet been deleted
Instructions	User opens their saved date plan list, selects a date, and then clicks the "delete date plan" button
Expected Result	API receives delete request, removes the date plan from the database, and returns 200
Severity	Critical

Test ID	75
Title	Date plan has already been deleted
Instructions	User does the following in two separate tabs / browsers one step at a time: User

	opens their saved date plan list, selects a date, and then clicks the "delete date plan" button
Expected Result	API receives delete request, removes the date plan from the database, and returns 200. Upon the second request, API recognizes that the date plan does not exist, and returns a "date not found" error
Severity	Critical

Functional Requirement 28

As a user, I would like to be able to share a date plan via a link.

Functional Test Cases

Test ID	76
Title	Button UI functionality
Instructions	User clicks on "share date plan" button
Expected Result	Button prompts a function to respond to the event
Severity	Critical

Test ID	77
Title	Link creation functionality
Instructions	User clicks on "share date plan" button
Expected Result	Frontend produces a sharable link to the date plan that does not require authentication to view
Severity	Critical

Functional Requirement 29

As a user, I would like to view another person's date plan via a link.

Functional Test Cases

Test ID	78
Title	Link opening functionality
Instructions	Click on a date plan link
Expected Result	The link redirects the user to the date plan
Severity	Critical

Equivalence Test Cases

Test ID	79
Title	Link provided is valid
Instructions	Take a date share link and verify that the link can be opened elsewhere
Expected Result	The link redirects the user to the date plan
Severity	Critical

Test ID	80
Title	Link provided is invalid
Instructions	Take a date share link and then manipulate the link and attempt to open it elsewhere
Expected Result	The link redirects the user to a 404 page, or a dedicated "date not found" page based on link query
Severity	Critical

Functional Requirement 30
As a user, I would like to be able to submit a location that would make a good date event.

Functional Test Cases

Test ID	81

Title	Button UI Functionality
Instructions	Click on submit event button
Expected Result	UI opens the form to submit a new event.
Severity	Critical

Test ID	82
Title	Event submission
Instructions	Submit a valid event
Expected Result	System POSTs the event to the API where it is successfully saved.
Severity	Critical

Test ID	83
Title	Event submission
Instructions	Go to the event form and submit an event with invalid information
Expected Result	System validates form and throws an error.
Severity	Critical

Functional Requirement 31
As a user, I would like to be able to view crowdsourced date events on the map.

Functional Test Cases

Test ID	84
Title	Map UI functionality
Instructions	User clicks the button to open the map.
Expected Result	UI opens the map and displays the date events on the map.

Severity	Critical

Test ID	85
Title	API functionality
Instructions	Ping the API requesting date events within a given range.
Expected Result	API returns the date events within a given range
Severity	Critical

Equivalence Classes

Test ID	86
Title	No crowdsourced events present
Instructions	User clicks the button to open the map when no crowdsourced events have been submitted (the database is empty)
Expected Result	UI opens the map and displays only the date events on the map that are auto generated and/or provided by default
Severity	Critical

Test ID	87
Title	Crowdsourced events present
Instructions	User clicks the button to open the map when one or more crowdsourced events have been submitted (the database is populated)
Expected Result	UI opens the map and displays both the date events on the map that are auto generated and/or provided by default, as well as crowdsourced events
Severity	Critical

Functional Requirement 32

As a user, I would like to be able to add time to the crowdsourced date events.

Functional Test Cases

Test ID	88
Title	Clock button functionality
Instructions	User clicks on the clock
Expected Result	The system pulls up a form to submit the time an event takes to complete
Severity	Critical

Test ID	89
Title	API functionality
Instructions	Post a time to complete an event to the API
Expected Result	The API saves the time to complete under the event information in the database and returns 200.
Severity	Critical

Equivalence Test Cases

Test ID	90
Title	Invalid time entry
Instructions	User clicks on the clock and enters an invalid time value
Expected Result	The system prompts the user with an invalid input error and rejects the value
Severity	Important

Test ID	91

Title	Valid time entry
Instructions	User clicks on the clock and enters a valid time value
Expected Result	The frontend accepts the input and passes it to the API, which saves the time to complete under the event information in the database and returns 200.
Severity	Important

Boundary Test Cases

Test ID	92
Title	Invalid time entry below threshold
Instructions	User clicks on the clock and enters a value <= 0
Expected Result	The frontend prompts the user with an invalid input error and rejects the value
Severity	Important

Test ID	93
Title	Valid time entry within threshold
Instructions	User clicks on the clock and enters a value 0 <= x < 12 hours
Expected Result	The frontend accepts the input and passes it to the API, which saves the time to complete under the event information in the database and returns 200.
Severity	Critical

Test ID	94
Title	Invalid time entry above threshold
Instructions	User clicks on the clock and enters a time

	value > 12 hours
Expected Result	The frontend prompts the user with an invalid input error and rejects the value
Severity	Important