

Test Plan

EDH Budget Builder

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Functional Requirement 1

“As a user, I would like to create an account.”

Functional Tests

Test ID	1
Title	Create an account
Instructions	New user clicks on “Sign in with Google”
Expected Result	Create profile page appears, prompting the user to create a username.
Severity	Critical

Boundary Tests

Test ID	2
Title	Create an account with username already taken
Instructions	On the create profile page, enter the username of another user and click “Create”.
Expected Result	App displays an error
Severity	Important

Test ID	3
Title	Create an account with empty username
Instructions	On the create profile page, leave the username empty and click “Create”.

Expected Result	App displays an error
Severity	Important

Test ID	4
Title	Create an account with invalid username
Instructions	On the create profile page, enter invalid characters in the username
Expected Result	App displays an error
Severity	Important

Test ID	5
Title	Create an account with too long username
Instructions	On the create profile page, enter more than 100 characters in the username
Expected Result	App displays an error
Severity	Work around

Functional Requirement 2

“As a user, I would like to login to my account.”

Functional Tests

Test ID	6
Title	Login to My Account
Instructions	Existing user clicks on “Sign in with Google”
Expected Result	User is taken to their profile’s homepage.
Severity	Critical

Boundary Tests

Test ID	7
Title	Account does not exist
Instructions	User without a registered account clicks on “Sign in with Google”
Expected Result	Create profile page appears, prompting the user to create an account, as one does not already exist
Severity	Important

Functional Requirement 3

“As a user, I would like to view a list of my existing decks.”

Functional Tests

Test ID	8
Title	View My Decks
Instructions	User navigates to the homepage by either logging in or clicking on their profile.
Expected Result	User sees links to all of their decks
Severity	Critical

Boundary Tests

Test ID	9
Title	No Decks Made
Instructions	User navigates to the homepage by either logging in or clicking on their profile.
Expected Result	Homepage displays “You have no decks” message instead.
Severity	Critical

Functional Requirement 4

“As a user, I would like to create a deck.”

Functional Tests

Test ID	10
Title	Create a Deck
Instructions	User hits the “Create a Deck” button on the homepage and enters a title and description.
Expected Result	User is taken back to their homepage and the deck’s title will appear there.
Severity	Critical

Boundary Tests:

Test ID	11
Title	Create a deck with empty title
Instructions	User hits the “Create a Deck” button and does not enter a title
Expected Result	Page displays “Error: Title is required” message
Severity	Important

Test ID	12
Title	Create a deck with too long title
Instructions	On deck create page, enter more than 100 characters
Expected Result	App displays an error
Severity	Work around

Functional Requirement 5

“As a user, I would like to remove a card from one of my existing decks.”

Functional Tests

Test ID	13
Title	Remove a Card
Instructions	User clicks on one of their decks and hits the “Modify Deck” button from the deck’s detail view. User clicks on the card they would like to remove and clicks “remove”. User clicks “Save Deck”.
Expected Result	Card is removed from the deck’s detail view.
Severity	Critical

Boundary Tests

Test ID	14
Title	Remove no cards
Instructions	User clicks on one of their decks and hits the “Modify Deck” button from the deck’s detail view. User clicks “Save Deck” (without changing anything).
Expected Result	Nothing happens
Severity	Work around

Test ID	15
Title	Remove all cards
Instructions	User clicks on one of their decks and hits the “Modify Deck” button from the deck’s detail view. User removes all cards from the deck User clicks “Save Deck”.

Expected Result	All cards are removed from the deck
Severity	Work around

Functional Requirement 6

“As a user, I would like to delete one of my existing decks.”

Functional Tests

Test ID	16
Title	Deleting a deck
Instructions	On the main page, click on a deck. After a detailed page of the deck appears, click the “Delete this Deck” - A popup will show up asking if you are sure you want to delete it. Click “Delete”
Expected Result	Deck is deleted and no longer appears on your main page
Severity	Work around

Functional Tests

Test ID	17
Title	Go to delete a deck, then cancel
Instructions	On the main page, click on a deck. After a detailed page of the deck appears, click the “Delete this Deck” - A popup will show up asking if you are sure you want to delete it. Click “Cancel”
Expected Result	Deck is not deleted and you return the main page
Severity	Work around

Functional Requirement 7

“As a user, I would like to add cards to my deck from the search page.”

Functional Tests

Test ID	18
Title	Add to Existing Deck
Instructions	On the search page, the user will search for a card. When the user finds a card, they will select the card and then click “Add to Existing Deck.” This option will provide a list of the users decks. The user will click on the deck they want to add the card to.
Expected Result	The searched card will be added to the requested deck and be visible.
Severity	Critical

Boundary Tests

Test ID	19
Title	Add card when no decks
Instructions	On the search page, the user will search for a card. When the user finds a card, they will select the card.
Expected Result	The system will show that the user has no existing decks.
Severity	Work around

Functional Requirement 8

“As a user, I would like to search for a card by name.”

Functional Tests

Test ID	20
Title	Search by Name
Instructions	On the search page, a user will input a possible card name into the search box and then click “Search.”
Expected Result	A card or multiple cards matching the user’s query will be returned.
Severity	Critical

Functional Tests

Test ID	21
Title	Search blank
Instructions	On the search page, click “Search” (leaving the search box empty).
Expected Result	An error message is displayed
Severity	Work around

Test ID	22
Title	Search empty results
Instructions	On the search page, enter a string matches no cards and click “Search”.
Expected Result	No cards are shown
Severity	Work around

Functional Requirement 9

“As a user without an account, I would like to view other users’ decks.”

Functional Tests

Test ID	23
Title	View by Link
Instructions	Given a URL provided by an EDH Budget Builder user, any guest to the website or existing user can click on a link.
Expected Result	The link will direct them to a page showing a user’s deck without the ability to edit or delete it.
Severity	Important

Functional Requirement 10

“As a user, I would like to share my deck via a link.”

Functional Tests

Test ID	24
Title	Send a link
Instructions	User clicks on “Share This Deck”, and a URL will appear for the user to copy into their clipboard. The user then shares the URL through any normal means of communication (email, text, Slack, etc.).
Expected Result	The URL that appears for the user to copy is a valid link, and the correct link to display the user’s card deck.
Severity	Important

Functional Requirement 11

“As a user, I would like to create a copy of an existing deck.”

Functional Tests

Test ID	25
Title	Copying a deck
Instructions	On the main page, click on a deck. On the detailed deck view, click “Create a Copy”.
Expected Result	A new deck appears on the main page that is identical except “-copy” is appended to the title
Severity	Work around

Functional Requirement 12

“As a user, I would like to validate that my deck is legal in the EDH format.”

Functional Tests

Test ID	26
Title	Legal Deck
Instructions	On a detailed view of the deck, at the top there will be a banner that says whether or not the deck is legal.
Expected Result	The deck is legal will display “Deck is legal for EDH format”
Severity	Critical

Test ID	27
Title	Illegal Deck (Duplicate cards)
Instructions	When creating a deck and clicking “Confirm”, a banner will appear saying if the deck is legal.
Expected Result	If there are two or more of the same card in a deck, the banner will read “Deck is illegal for EDH format: Duplicate cards exist”
Severity	Critical

Boundary Tests

Test ID	28
Title	Illegal Deck (<100 cards)
Instructions	When creating a deck and clicking “Confirm”, a banner will appear saying if the deck is legal.
Expected Result	If the deck has less than 100 cards, the banner will read “Deck is illegal for EDH format: Not enough cards”

Severity	Critical
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Test ID	29
Title	Illegal Deck (>100 cards)
Instructions	When creating a deck and clicking "Confirm", a banner will appear saying if the deck is legal.
Expected Result	If the deck has more than 100 cards, the banner will read "Deck is illegal for EDH format: Too many cards"
Severity	Critical

Functional Requirement 13

“As a user, I would like to know if and why my deck is illegal.”

Functional Tests

Test ID	30
Title	Less than 100 Cards
Instructions	Add 99 cards to a deck click “Confirm”
Expected Result	A banner will appear saying “Illegal Number of Cards: 1 more cards needed”.
Severity	Critical

Test ID	31
Title	Greater than 100 Cards
Instructions	Add 101 cards to a deck click “Confirm”
Expected Result	A banner will appear saying “Illegal Number of Cards: remove 1 card to make legal”.
Severity	Critical

Test ID	32
Title	Duplicate Cards
Instructions	Add 2 of the same card to the deck
Expected Result	A banner will appear saying “Illegal Deck: name_of_card is added more than once”
Severity	Critical

Functional Requirement 14

“As a user, I would like to see an image of the cards on the search page.”

Functional Tests

Test ID	33
Title	Searching for Cards (correct card images show up; cards that match the search)
Instructions	Add a word in the search bar. Filter cards by color, type, subtype.
Expected Result	Pictures of cards with the word in the name and corresponding color, type, and subtype are displayed.
Severity	Critical

Functional Requirement 15

“As a user, I would like to filter cards by price, type, color, keyword, and subtype.”

Functional Tests

Test ID	34
Title	Filter by price (one range)
Instructions	Select a checkbox for desired price range
Expected Result	Images of cards that are filtered by the price range are shown.
Severity	Critical

Test ID	35
Title	Filter by price (multiple ranges)
Instructions	Select 3 checkboxes for desired price. Click search
Expected Result	Images of cards that are filtered by all the chosen price ranges are shown.
Severity	Critical

Test ID	36
Title	Filter by color
Instructions	Select a checkbox corresponding to a color
Expected Result	Images of cards that are filtered by the chosen color are shown.
Severity	Important

Test ID	37
Title	Filter by subtype
Instructions	Enter a subtype in the textbox

Expected Result	Images of cards that are filtered by the chosen subtype are shown.
Severity	Important

Test ID	38
Title	Filter 2 Subtypes
Instructions	Enter a subtype in the textbox. Click add. Enter another subtype in the textbox. Click add.
Expected Result	Images of cards that are filtered by all the chosen subtypes are shown.
Severity	Important

Test ID	39
Title	Filter by two
Instructions	Enter a subtype in the textbox. Click add. Select a price range.
Expected Result	Images of cards that are filtered by the chosen subtype and price range are shown.
Severity	Important

Test ID	40
Title	Filter by all
Instructions	Enter a subtype in the textbox. Click add. Select a price range. Select a color. Enter another subtype in the textbox. Click add. Select another color.

Expected Result	Images of cards with the corresponding filters are shown.
Severity	Important

Functional Requirement 16

“As a user, I would like to sort cards by price, power, or toughness.”

Functional Tests

Test ID	41
Title	Sort by Price
Instructions	At the top of the results on the search page, select “Price” from the “Sort By” dropdown menu.
Expected Result	The page will reload, displaying all the same cards but sorted by price.
Severity	Critical

Test ID	42
Title	Sort by Power
Instructions	At the top of the results on the search page, select “Power” from the “Sort By” dropdown menu.
Expected Result	The page will reload, displaying all the same cards but sorted by power.
Severity	Important

Test ID	43
Title	Sort by Toughness
Instructions	At the top of the results on the search page, select “Toughness” from the “Sort By” dropdown menu.
Expected Result	The page will reload, displaying all the same cards but sorted by toughness.
Severity	Important

Functional Requirement 17

“As a user, I would like to log out of my account.”

Functional Tests

Test ID	44
Title	Log out returns you to login/signup page
Instructions	On any page, click logout
Expected Result	User is logged out and returned to signin page
Severity	Critical

Functional Requirement 18

“As a user, I would like to export a deck to a text file.”

Functional Tests

Test ID	45
Title	Exporting a deck
Instructions	On the deck view page, click “Export”
Expected Result	A text file will be generated and the user will be prompted to download it. On the text file will be a list of all the correct card names in the deck
Severity	Important

Boundary Tests

Test ID	46
Title	Exporting a deck (empty deck)
Instructions	On the deck view page of an empty deck, click “Export”
Expected Result	A text file will be generated and the user will be prompted to download it. The text file lists no cards
Severity	Work around

Functional Requirement 19

“As a user, I would like to add a description to my deck.”

Functional Tests

Test ID	47
Title	Set a description
Instructions	On the deck creation page, fill out the description field and click “Confirm.”
Expected Result	The deck is created with the given description
Severity	Important

Boundary Tests

Test ID	48
Title	Set an empty description
Instructions	On the deck creation page, click “Confirm” (leaving description blank).
Expected Result	The deck is created with a blank description
Severity	Work around

Functional Requirement 20

“As a user, I would like to add a title to my decks.”

Functional Tests

Test ID	49
Title	Set a Title
Instructions	On the deck creation page, fill out the title field and click “Confirm.”
Expected Result	The deck is created with the given title.
Severity	Critical

Boundary Tests

Test ID	50
Title	Attempt to set an Empty Title
Instructions	On the deck creation page, leave the title field empty and click “Confirm.”
Expected Result	An error message will pop up reading “You must enter a title for this deck.”
Severity	Critical

Test ID	51
Title	Attempt to set a too long title
Instructions	On the deck creation page, enter a title with more than 100 characters and click “Confirm.”
Expected Result	App displays an error
Severity	Work around

Functional Requirement 21

“As a user, I would like to change the description of my deck.”

Functional Tests

Test ID	52
Title	Changing the description
Instructions	On the deck view, click “Edit” and change the description of the deck, and save the changes
Expected Result	The decks description will now be updated
Severity	Important

Boundary Tests

Test ID	53
Title	Changing the description to empty
Instructions	On the deck view, click “Edit” and delete the description field, and save the changes
Expected Result	The decks description will now be empty
Severity	Work around

Functional Requirement 22

“As a user, I would like to change the title of my decks.”

Functional Tests

Test ID	54
Title	Change the title
Instructions	On the deck view, click “Edit” and change the title name
Expected Result	The title of the deck will be updated
Severity	Important

Boundary Tests

Test ID	55
Title	Change the title to an empty string
Instructions	On the deck view, click “Edit” and delete the old title name and save the changes
Expected Result	An error will occur, because the title is a required field
Severity	Important

Functional Requirement 23

“As a user, I would like to change my username.”

Functional Tests

Test ID	56
Title	Change to a valid username
Instructions	On the homepage click change username and enter a username different than it was before
Expected Result	The username is updated
Severity	Important

Test ID	57
Title	Attempt to change to a username that's already taken
Instructions	On the homepage click change username and enter a username that is already taken by another user
Expected Result	The user is notified that the username is already taken and its username is not updated
Severity	Critical

Test ID	58
Title	Change to an invalid username
Instructions	On the homepage click change username and enter a username with invalid characters
Expected Result	App displays an error
Severity	Critical

Test ID	59
Title	Change to a too long username
Instructions	On the homepage click change username and enter a username with more than 100 characters
Expected Result	App displays an error
Severity	Work around

Boundary Tests

Test ID	60
Title	Change username and enter an empty username
Instructions	On the homepage click change username and enter a blank username
Expected Result	The user is notified that the username cannot be empty
Severity	Critical

Functional Requirement 24

“As a user, I would like to save a card as a favorite.”

Functional Tests

Test ID	61
Title	Add favorite card
Instructions	On the card search results page, select a card and favorite it.
Expected Result	The card is added to the user’s favorite cards.
Severity	Important

Boundary Tests

Test ID	62
Title	Add favorite card (no favorite cards)
Instructions	With no favorite cards, on the card search results page, select a card and favorite it.
Expected Result	The card is added to the user’s favorite cards.
Severity	Important

Functional Requirement 25

“As a user, I would like to view my favorite cards.”

Functional Tests

Test ID	63
Title	View favorite cards
Instructions	Go to the favorite cards page
Expected Result	Favorite cards are displayed
Severity	Important

Boundary Tests

Test ID	64
Title	View favorite cards (no cards)
Instructions	With no favorited cards, go to the favorite cards page
Expected Result	No cards are displayed
Severity	Work around

Functional Requirement 26

“As a user, I would like to unfavorite a card.”

Functional Tests

Test ID	65
Title	Unfavorite a card
Instructions	On the favorite cards page, click a card and unfavorite it.
Expected Result	The card is removed from the user's favorite cards.
Severity	Work around