Learner Web-App Tree

Step 1: Index page.

Options: 1. Sign Up 2. Log In

Desc: This is the beginning page at (“/login”). We will keep the index(“/”) blank in case we need it for something else. From Index, we’ll redirect to login. Users can sign up, which takes them to a different page, or login here.

Step 1A: Sign Up

Desc: This is ONLY for making Users to the site. Organizations can be created from logged in Users,(NOT HERE). The creators of those organizations can then designate OTHER Users to also be Admins or Members.

Collecting: 1. Person Name 2. Primary Phone Numbers 3. Primary email Address 4. Short Blurb about who they are/ what they want to add to LearnR 5. First Name 6. Last name

Generate: 1. A User with ‘UserID’ 2. Folder on Amazon for files, under ‘User’ section

Step 1B: Log In

Desc: Used for logging Users in

Generate: Generate Session ID

Step 2: MainPage

Options: 1. Make Organization 2. Manage Organization 3. Search for LearnRs 4. Create LearnR (Only Available if you’re logged in as an Admin of an Organization). 4. Send Help/Learn More

Desc: This is the main page where Users will interact. A top header bar will contain options for creating/managing an organization. You can also ‘create a LearnR’, if you’re logged in as an Admin of an Organization. There will also be the ‘Send Help/Learn More’ section as well.

In the middle main page we will have a search bar section where Users can search for/select Learners to send/look at. It will be run with an asynchronous Ajax query that will have different methods for search, (newest, most popular, tags, or text search).

Step 2A: Make Organization

Desc: Here, a User will be able to submit information for their organization. Once submitted, I will review what is submitted and approve it for them for use

Generate: We will generate a ‘LearnR org’ object, where we have the following. 1. OrganizationID(int) 2. Name of the Organization (string) 3. Organization Goals(array of string) 4. List of all Users under that organization(Array of UserID Ints) 5. List of all Admins (Array of UserID ints) 6. List of LearnRs under this Organization(Array of LearnR ID ints) 7. Date Created 9. Date Updated

Step 2B: Manage Organization

Desc: This page is only visible if the User has the appropriate role to view Organization’s they made/are apart of. From here, Users will be able to add/remove other Users to an organization they are apart of, change the title, add/edit their LearnR, create a LearnR under this organization, and other things.

Generate: When adding a User, add them to this organization and update them.

Step 2C: Search for LearnRs

Desc: This should just be an app on the front page. Users will be able to use name shortened search to display the learner they want to send.

Generate: Uses ajax search to shorten our search list and display our content on screen

Step 2 D: Create a LearnR

Desc: This should be at the top of the header bar. It’s ONLY available IF YOUR LOGGED IN AS AN ADMIN of AN ORGANIZATION. This page will allow you to create a LearnR under an Organization. It will set rules for who can send/update/create this LearnR, as well as explain what a LearnR is for.

Generate: For simplicity’s sake, once on this ‘create’ page, we will run queries to fill values for the following,(mostly to ward off any similar names for learnRs): LearnR Name. We will then generate a LearnR with the following: 1. LearnR ID(string) 2. LearnR Name(string) 3. LearnR Tags(Array of Strings) 4. LearnR Description 5. LearnR Phone Nums(Array of Strings) 6. LearnRTexts(Array of Text Objects, name not declared yet). 7. Date Created 8. Date Updated

Step2 E: Help/Learn more

Desc: This page is a combination of a place where you can send me an email for me to read/look into. (This does NOT concern creating an organization/LearnR. Emails are send through those webpages).  
  
This page will detail the project and our mission statement and include a messagebox where you can ask for improvements/suggestions/help.

The Life of a LearnR Session

Description: This is a description of HOW our session should play out between the Users and our back end.

Step 1: On our website, Users will be able to find and search for our LearnRs. These LearnRs will be generated with two things. One, a Phone Number from Twilio,(once bought, we can store them in a DB and call them or something for assignment). Two, Name of this LearnR.

Step 2: Users will be instructed to input the following information on that LearnR’s webpage. For one, what phone number of a person do they want to send this to? Two, any message you want to send to this friend/family member, to let them know it’s you? Three, click send and check email for results.

Step 3: Once submitted from the LearnR webpage, our servers will take that request in the form of JSON. We should have the necessary information to begin texting the friend/family member and creating a LearnR Session. (Data: All LearnR Info, Target Person, Personal Message from user, ).

Step 4: That information will be turned into a “LearnR Session”. This will be a continually updated value on our backend as the User conversates and recieves text messages. (Important Data: The LearnR Data, User Number, Target User Number, Ongoing-Session,(determind by the LearnR data, are we done with all Texts? Is STOP entered?), Date Created/DateUpdated,(can effect session behavior in different ways), Texts Sent Array, Text Recieved back Array,

Step 5: When the Target User sends information back to us, our webhook will take that text and act based on the phone number. From there, we’ll see if we can find a session for that phone number. If we can’t,(or the session has expired/User typed stop) we’ll text back an appropriate response.

Step 6: Whenever the session is ended, we take that session and add it to the LearnR object for that learnr in a map/array of sessions done on that LearnR.

Step 7: The sender of that LearnR can get an Excel sheet,(or whatever) mailed to them on the results of the session with that person. They can also get an email if the session just times out.