Where is the pubCrawl

Documentation

## City.php

1. findShortestDistance(pubCoords)  
   pubCoords: the coordinated of the pubs   
     
   This function calculates the minimum distance between the pubs.   
   It returns the *mind* variable that it has the min distance in km.   
   if the mind is bigger than 20meters then we assign to mind 20meters
2. withinRadius(point, interest, kms)  
   point: coordinates of the agent   
   interest: coordinates of the pubs  
   kms: minDistance (variable that calculated in the previous function)  
     
   This function returns a Boolean variable. If the result is true means that the agent is near to the pub. If it’s false, he is walking.
3. addMinutes(date, minutes)  
   date: the date that the pubcrawl starts   
   minutes: minutes that we will stay in a pub   
     
   The function calculates the time that we will stay in the bar
4. considerGPS(agentLat, agentLon, duration, startEndCurrentPubDate)  
   agentLat: latitude of the agent  
   agentLon: longitude of the agent  
   duration: duration that you stay in the bar  
   startEndCurrentDate: the exact time that you have to go and leave from this bar  
     
   If the admin choose the option “Position by timeline” then the website will not locate the agent by the app but the position will be updated dynamically when it’s the time to go to the next bar
5. displaypub(i, pubCoords, agentCoords, flag)  
   i: int variable between 0-3 (0 first pub, 1 second pub, 2 third pub, 3 fourth pub)  
   pubCoords: coordinates of the pub  
   agentCoords: coordinates of the agent  
   flag: Boolean variable that is true if the agent is in the radius of the bar and false if he is not near to the bar  
     
   If the flag == true then we display on the map the name and the pin of the bar.  
   if the flag == false then we display on the map the location of the agent and the pin of the next bar
6. checkAgentPosition(pubCoords, finalDurations, durations, map, agentPos, startEndAllPubs, startEndAllPubsDates)  
   pubCoords: coordinates of the pubs  
   finalDurations: array variable that has the time that we have to leave from each place (not used)  
   durations: array with the duration of time that we have to stay in each bar  
   map: the map  
   agentPos: position of the agent  
   startEndAllPubs: time that we will start and leave from each bar  
   startEndAllPubsDates: I don’t actually know. Probably the date and the time (not in use in this function)  
     
   This function call the getCoords.php file.
   1. This file retrieves from the database the coordinates of the agent.

This function we check if the position of the agent is near to a bar or not. If it’s in the radius of the bar, then we appear on the map pin of the bar and we change the text in the footer “We are in …. Pub”. If it’s not in the radius of any bar, then we display the latest position. This is happening every 5 seconds.   
In order to display the current and the next bar we have to update the lastVisitedPlace column in the database. We do that by calling the files: updateVisitedPlaces.php, getLastVisitedPlace.php.

* 1. updateVisitedPlaces.php  
     In this file we update the last visited place. The default variable is -1 and it means that the pubcrawl hasn’t started yet or that we haven’t visited the 1st place yet.
  2. getLastVisitedPlace.php  
     This file retrieves the variable of the lastVisitedPlace column.

1. focusToCity()  
   This function is used to navigate in to the different cities on the dropdown menu in the center of the page. First, we find which city the user chose and after we call the findCityLonLat.php file where it returns the longitude and latitude of the selected city. After that we reload the file and we transfer the user to the selected city using the coords that we retrieved before.   
   1. findCityLonLat.php  
      In this file we retrieve the latitude and longitude of the city that the user selected.

## Dashboard.js

1. dismissModal()   
   Function that dismiss the modal on add new Agent/ add new Admin
2. dismissModalChangePassword()  
   Function that dismiss the modal when you want to change the password
3. changePassword()  
   Function that is called when the user wants to change his password.
4. addAgent()  
   Function that is called when we want to add a new agent.  
   Is calling the addAgent.php file.  
   1. addAgent.php  
      In this file we insert to the database the details of the agent. Also we sent an email with the verification link and with the instructions that the new user has to follow.
5. presentAlertConfirm(agentId, name)  
   agentId: the id of the agent that we want to delete   
   name: the fullname of the agent we want to delete   
   This function displays an alert message to the user with the details of the user that he wants to delete   
   This functions is calling the deleteAgent.php file  
   1. deleteAgent.php  
      This file is actually deleting the agent from the database.
6. resetPlanner()  
   This function reset the planner.
7. suggestMeetingPoint(el)  
   el: the value of the input with id: meeting-point  
   This function displays to the user the suggestions of the meeting points. He can choose one by clicking on it.   
   It calls the getSuggestions.php file.
   1. getSuggestions.php  
      This file retrieves the stop, latitude and longitude from the suggestions table of the database.
8. selectSuggestionMeetingPoint(el)  
   el: variable that contains the meeting point that the user selected from the suggestions  
     
   This function assigns to the input with id: meeting-point the meeting point that the user clicked on.
9. suggestStop(el, num)  
   el: the suggestion list  
   num: the number of the stop (1-4)  
     
   This function is suggesting the stops to the user and it calls the getSuggestions.php file.  
   1. getSuggestions.php  
      This file retrieves the stop, latitude and longitude from the suggestions table of the database.
10. addStop()  
    It adds one more stop to the route of the pubcrawl
11. selectSuggestionStop(el, num)  
    el: the selected stop  
    num: the number of the stop  
    The function assigns to the input the selected stop
12. confirmedPubCrawlPlanning()  
    This function summarize everything that the user selected and pops up a modal where the user has to press the confirm button if everything is correct or press the cancel button if something is wrong.   
    If everything is correct and the user press the confirm button, then the schedulePub.php file is called.  
    1. schedulePub.php  
       This file is responsible to insert to the pubcrawl table in the database the new record.
13. todayOrWeekly()  
    In this function we check if the user wants to repeat the route weekly or only today.   
    If the just today option is clicked, then nothing happens. But if he chose the weekly option then we call the enableDisable function and we enable the day checkboxes and the dropdown field of how many weeks he wants to repeat this route.
14. enableDisable(justToday, repeatRouteChoiceDay, dropdownWeeks)  
    justToday: Boolean variable. If is true, the user selected to repeat the route only today.  
    repeatRouteChoiceDay: class name of the day checkboxes.  
    dropdownWeeks: dropdown field of the number of weeks the user wants to repeat a route.   
    This function is enabling and disabling the above fields.
15. suggestCity(el)  
    el: the value of the input with id: city  
    This function displays to the user the suggestions of the meeting points. He can choose one by clicking on it.   
    It calls the getSuggestionsCity.php file.
    1. getSuggestionsCity.php  
       This file retrieves the stop, latitude and longitude from the city table of the database.
16. selectSuggestionCity(el)  
    el: the suggestion list  
    This function assigns to the field the selected city

## ManageCrawling.js

1. startCrawl(id)   
   id: the id of the pubcrawl route  
   This function calls the startCrawl.php file  
   1. startCrawl.php  
      this file updates the status of the pubcrawl to Started. That means that the pubcrawl is started.
2. setSendCoords()  
   Function that is called on the load of the manageCrawling.php. Basically it sends the coordinates of the agent to the database by calling the sendCoords function  
   1. sendCoords(position)  
      position: variable that contains the latest position of the agent (longitude, latitude)  
      This function call the sendCoords.php file.
   2. sendCoords.php  
      This file updates the longitude and latitude of the agent in the database.
3. stopCrawl(id)  
   id: the id of the current pubcrawl  
   This function calls the stopCrawl.php file.  
   1. stopCrawl.php  
      This function stops the started pubcrawl by updating the status to Ready
4. dismissModalChangePassword()  
   This function dismiss the modal when the user doesn’t want to change his password.
5. changePassword()  
   This function calls the changePassword.php file.  
   1. changePassword.php  
      This file is responsible to change the password of the user. It makes a new verification hash and it updates the previous record with the new one. Also, sends an email to the user with the guidelines that he has to follow in order to change his password.
6. deleteCrawl(id)  
   id: the id number of the route in the pubcrawls table   
   This function deletes the selected route from the pubcrawl table in the database.  
   In order to do that first the user has to confirm that agrees to delete the selected route. If he press the confirm button then the function calls the deleteCrawl.php file.  
   1. deleteCrawl.php  
      In this file we delete the record from the pubcrawls table.
7. appearDisappearEditBox(id)  
   Id: the id number of the pubcrawl  
   This function appears the edit card with the details of the pubcrawl route that the user chose to edit. In order to retrieve the details we call the retrievePubCrawl.php  
   1. retrievePubCrawl.php  
      This file retrieves all the data from the pubcrawls table where the id is equal to the id of the pubcrawl the user chose to edit.
8. cancelCard()  
   This function disappear the edit card and appears again the main layout.
9. suggestStop(el, num, city)  
   el: the suggestion list  
   num: the number of the stop (1-4)  
   city: the id of the city   
     
   This function is suggesting the stops to the user and it calls the getSuggestions.php file.  
   1. getSuggestions.php  
      This file retrieves the stop, latitude and longitude from the suggestions table of the database.
10. selectSuggestionStop(el, num)  
    el: the selected stop  
    num: the number of the stop  
    The function assigns to the input the selected stop
11. suggestMeetingPoint(el, city)  
    el: the value of the input with id: meeting-point  
    city: the id of the city  
      
    This function displays to the user the suggestions of the meeting points. He can choose one by clicking on it.   
    It calls the getSuggestions.php file.
    1. getSuggestions.php  
       This file retrieves the stop, latitude and longitude from the suggestions table of the database.
12. selectSuggestionMeetingPoint(el)  
    el: variable that contains the meeting point that the user selected from the suggestions  
      
    This function assigns to the input with id: meeting-point the meeting point that the user clicked on.
13. confirmedPubCrawlPlanning()  
    This function summarize everything that the user selected and pops up a modal where the user has to press the confirm button if everything is correct or press the cancel button if something is wrong.   
    If everything is correct and the user press the confirm button, then the updatePubCrawlRoute.php file is called.  
    1. updatePubCrawlRoute.php  
       This file is responsible to update the changes that the user made in the pubcrawls table.