

Java Files

Database: 1 complex, 2 very complex. 70% low complexity.

checkUser(String): Boolean	3 (start of the method, if statement, catch)
getPasswordInfo(String username): String[]	4 (start, if, while, catch)
getUserID(String username): Int	3 (start, if, catch)
createUser(String username, String passwordHash, String salt): Boolean	3 (start, if, catch)
getLists(int userID, String listname): ArrayList<Info>	12 (start, 8 if/elseif, 2 while, catch)
addToList(int userID, Boolean isRecipe, String listname, Info i): Boolean	21 (start, 19 if/elseif, catch)
removeFromList(int userID, Boolean isRecipe, String listname, Info i): Boolean	21 (start, 19 if/elseif, catch)
updateLists(int userID, Boolean add, String listname, Info i): Boolean	3 (start, if, &&)
getPrevSearch(int userID): ArrayList<Searches>	3 (start, while, catch)
addPrevSearch(int userID, String testSearch, int radius, int results): Boolean	3 (start, if, catch)

List Servlet: 1 complex. 50% low complexity.

doGet(HttpServletRequest request, HttpServletResponse response): void	7 (start, throws, 2 if, 3 &&)
doPost(HttpServletRequest request, HttpServletResponse response): void	11 (start, throws, 2 if, 3 &&, 3 cases, catch)

LoginServlet: 1 complex. 0% low complexity

doPost(HttpServletRequest request, HttpServletResponse response): void	13 (start, throws, while, 2 &&, 3 cases, 4 if, catch)
--	---

PrevSearchServlet: 0 complex. 100% low complexity.

doGet(HttpServletRequest request, HttpServletResponse response): void	3 (start, if, throws)
---	-----------------------

SearchServlet: 1 complex. 87.5% low complexity.

doGet(HttpServletRequest request, HttpServletResponse response): void	7 (start, 4 if, , throws)
getJSONResponse(String url): String	3 (start, while, catch)
recipeSearch(String query, int numResults, List<Info> doNotShowList, List<Info> favoritesList): ArrayList<RecipeInfo>	11 (start, 3 if/elseif, 4 for, 3 catch)
restaurantSearch(String query, int numResults, int radius, List<Info> doNotShowList, List<Info> favoritesList): ArrayList<RestaurantInfo>	10 (start, 4 for, 3 if, while, catch)
getDistances (ArrayList<RestaurantInfo> restaurants): Map<RestaurantInfo, String>	3 (start, 2 for)
getDriveTimes(ArrayList<RestaurantInfo> restaurants): void	3 (start, 2 for)
getPhoneAndURL(ArrayList<RestaurantInfo> restaurants): void	3 (start, for, catch)
getImageURLs(String query): ArrayList<String>	2 (start, for)

PasswordHashing: 0 complex. 100% low complexity

hashPassword(String password, String salt): String	2 (start, catch)
getRandomSalt(): String	2 (start, while)

Info: 0 complex. 100% low complexity

equals(Object other): Boolean	1 (start)
-------------------------------	-----------

RecipeInfo: 0 complex. 100% low complexity

compareTo(RecipeInfo other): Int	1 (start)
equals(Object other): Boolean	3 (start, 2 if)

RestaurantInfo: 0 complex. 100% low complexity

compareTo(RestaurantInfo other): Int	1 (start)
equals(Object other): Boolean	3 (start, 2 if)

SortLists: 0 complex. 100% low complexity

sortAlphabetically(ArrayList<Info> list): ArrayList<Info>	2 (start, if)
sortByRating(ArrayList<Info> list): ArrayList<Info>	2 (start, if)

RatingComp (nested in SortLists): 0 complex. 100% low complexity

compare(Info i1, Info i2): Int	2 (start, if)
--------------------------------	---------------

AlphabeticalComp (nested in SortLists): 0 complex. 100% low complexity

compare(Info i1, Info i2): Int	2 (start, if)
--------------------------------	---------------

JSP Files

loginPage: 0 complex. 100% low complexity

sendData()	2 (start, if)
hexString(buffer)	1 (start)

listPage: 1 complex. 50% low complexity

(not inside a function)	13 (8 if, 4 for,)
setStoredItem(i)	1 (start)

resultPage: 0 complex. 100% low complexity

(not inside a function)	10 (4 if, &&, 5 for)
-------------------------	----------------------

searchPage: 0 complex. 100% low complexity

(not inside a function)	1 (for)
populateSearch()	3 (start, for, if)

signupPage: 0 complex. 100% low complexity

sendData()	2 (start, if)
hexString(buffer)	1 (start)

JS Files

ListClient: 0 complex. 100% low complexity

addItem(listName, item)	1 (start)
removeItem(listName, item)	1 (start)
resetLists()	1 (start)
getList(listName)	1 (start)

loginChecker: 0 complex. 100% low complexity

checkLoggedIn()	3 (start, 2 if)
-----------------	-----------------

parseQuery: 0 complex. 100% low complexity

parseQuery(queryString)	3 (start, for,)
-------------------------	--------------------

recipePage: 0 complex. 100% low complexity

(not inside a function)	5 (3 if, 2 for)
-------------------------	-----------------

restaurantPage: 0 complex. 100% low complexity

(not inside a function)	3 (3 if)
-------------------------	----------

resultPage: 0 complex. 100% low complexity

(not inside a function)	4 (if, 3 for)
loadDoc()	3 (start, if, &&)