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## Uvod:

### Korisćeni programski jezici

Tehnologije korišćene prilikom kreiranja sajta su : HTML, CSS, JavaScript, jQuery, XML

Radi lakšeg dizajniranja sajta korišćen je Bootstrap.

Radno okruženje : Visual Studio Code

### Funkcionalnosti

1. Dinamički ispisana navigacija

2. Dinamički ispisane kartice korišćenjem JSON-a i AJAX-a
3. Mogućnost sortiranja kartica na dva raličita načina
4. Mogućnost filtriranja kartica izborom kategorija i kroz search-box, kao i izborom "Moji omiljeni recepti" (filtriranje radi kombinovano)
5. Dinamičko ispisivanje checkbox-ova
6. Dinamički ispisani modul koji se otvara klikom na "Check it out" i prikazuje dodatne detalje svakog recepta
7. Form na stranici "submit-recipe.html" je kompletan sa obrađenim greškama
8. Dodavanje recepata u favourites, koji se čuvaju u LocalStorage-u

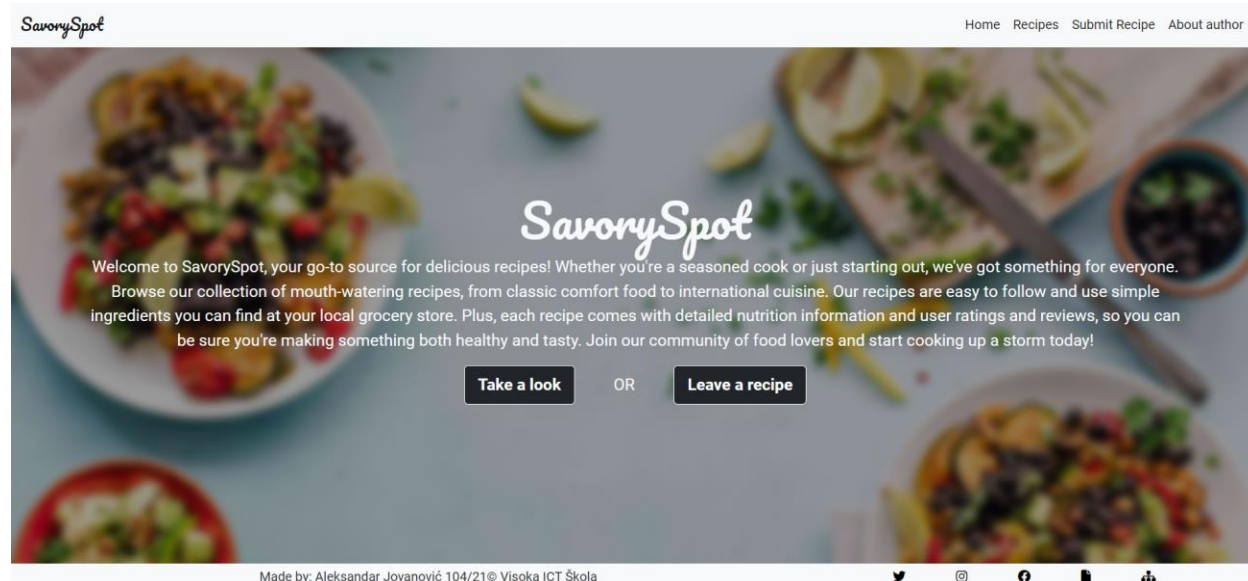
## Organizacija sajta:

```
<?xml version="1.0" encoding="UTF-8"?>
<urlset
  xmlns="http://www.sitemaps.org/schemas/sitemap/0.9"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.sitemaps.org/schemas/sitemap/0.9
    http://www.sitemaps.org/schemas/sitemap/0.9/sitemap.xsd">

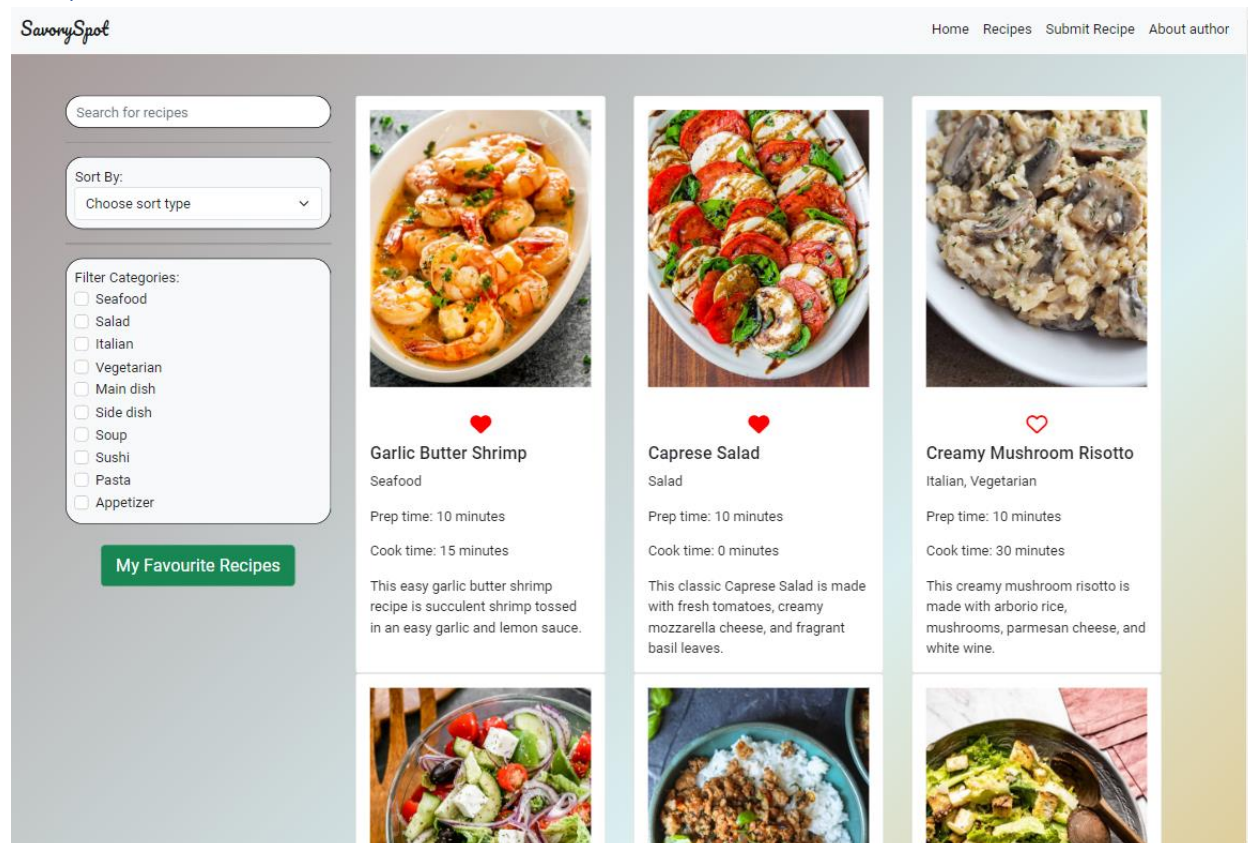
  <url>
    <loc>https://gringus0.github.io/savoryspot/</loc>
    <lastmod>2023-05-03T09:44:56+00:00</lastmod>
    <priority>0.5</priority>
  </url>
  <url>
    <loc>https://gringus0.github.io/savoryspot/recipes.html</loc>
    <lastmod>2023-05-03T09:44:56+00:00</lastmod>
    <priority>1.0</priority>
  </url>
  <url>
    <loc>https://gringus0.github.io/savoryspot/submit-recipe.html</loc>
    <lastmod>2023-05-03T09:44:56+00:00</lastmod>
    <priority>0.60</priority>
  </url>

</urlset>
```

## Početna strana:



## Recipe strana:



## Otvoren modul jednog recepta:

## Garlic Butter Shrimp



Date added: 2022-11-11

Prep time: 10 minutes

Cook time: 15 minutes

Number of servings: 4

**Ingredients:**

- 1) 1 lb. large shrimp, peeled and deveined
- 2) 2 tbsp. butter
- 3) 4 cloves garlic, minced
- 4) 1/4 cup chicken broth
- 5) 1/4 cup white wine
- 6) 2 tbsp. lemon juice
- 7) 2 tbsp. chopped parsley
- 8) Salt and pepper, to taste

**Instructions:**

- 1) Heat the butter in a large skillet over medium-high heat.
- 2) Add the garlic and cook for 30 seconds.
- 3) Add the shrimp and cook for 2-3 minutes per side, or until pink and opaque.
- 4) Remove the shrimp from the skillet and set aside.
- 5) Add the chicken broth, white wine, and lemon juice to the skillet and bring to a boil.
- 6) Reduce heat to low and simmer for 3-4 minutes, or until the sauce has thickened slightly.
- 7) Season the sauce with salt and pepper, to taste.
- 8) Add the shrimp back to the skillet and toss to coat with the sauce.
- 9) Garnish with chopped parsley and serve immediately.

**Nutritional information:**

Calories: 190kcal

Fat: 8g

Carbohydrates: 3g

Protein: 23g

Sodium: 620mg

Close

Submit Recipe strana:

**SavorySpot** Home Recipes Submit Recipe About author

## Submit a recipe

Email address:\*

We need your email address so we can contact you after you submit your recipe.

Name of the recipe:\*

Description:\*

Description needs at least 50 characters.

Cook time(minutes):\* Prep time(minutes):\* Number of servings:\*

**Nutritional Value:**

Calories Fat CHO Protein Sodium

Upload an image of your masterpiece\*

Choose File No file chosen

File needs to have a .jpg extension.

Categories:\*

Choose a category

Add a category

Ingredients(at least 3):\*

Apples

Steak

Potatoes

Add an ingredient

Instructions(at least 3):\*

Chop the apples.

Grill the steak.

Mash the potatoes.

Add an instruction

Submit the recipe

Kod:

HTML:

Index.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8"/>
  <meta http-equiv="X-UA-Compatible" content="IE=edge"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>SavorySpot</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOMLASjC"
crossorigin="anonymous"/>
  <link rel="stylesheet" type="text/css" href="assets/css/style.css"/>
  <link rel="preconnect" href="https://fonts.googleapis.com"/>
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin/>
  <link href="https://fonts.googleapis.com/css2?family=Pacifico&display=swap" rel="stylesheet"/>
  <link
href="https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100;0,300;0,400;0,500;0,700;0,900;
1,100;1,300;1,400;1,500;1,700;1,900&display=swap" rel="stylesheet"/>
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/awesome/6.4.0/css/all.min.css" integrity="sha512-
```

```

iecdLmaskl7CVkqkXNQ/ZH/XLlvWZOJyj7Yy7tcenmpD1ypASozpmT/E0iPtMFIB46ZmdtAc9eNBvH0H/ZpiBw=="
crossorigin="anonymous" referrerpolicy="no-referrer" />
</head>
<body class="d-flex h-100 text-center">
  <div id="cover" class="cover-container d-flex mx-auto flex-column">
    <header class="mb-auto">

    </header>
    <main class="px-sm-5 mx-sm-5 px-0 mx-0 text-light text-center">
      <h1 id="main-title">SavorySpot</h1>
      <p class="lead">Welcome to SavorySpot, your go-to source for delicious recipes! Whether
you're a seasoned cook or just starting out, we've got something for everyone. Browse our collection
of mouth-watering recipes, from classic comfort food to international cuisine. Our recipes are easy
to follow and use simple ingredients you can find at your local grocery store. Plus, each recipe
comes with detailed nutrition information and user ratings and reviews, so you can be sure you're
making something both healthy and tasty. Join our community of food lovers and start cooking up a
storm today!</p>
      <div class="d-flex justify-content-center align-items-center">
        <p class="lead">
          <a href="recipes.html">
            <button class="btn btn-lg btn-dark fw-bold border-white"> Take a
look</button>
          </a>
        </p>
        <p class="lead mx-5">OR</p>
        <p class="lead">
          <a href="submit-recipe.html">
            <button class="btn btn-lg btn-dark fw-bold border-white"> Leave a
recipe</button>
          </a>
        </p>
      </div>
    </main>
    <footer class="mt-auto bg-light d-flex justify-content-around p-1">

    </footer>
  </div>
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"></script>

  <script src="assets/js/main.js"></script>
</body>
</html>

```

Recipes.html:

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8"/>
  <meta http-equiv="X-UA-Compatible" content="IE=edge"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>SavorySpot</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWFspD3yD65VohhpUuCOMLASjC"
crossorigin="anonymous"/>

```

```

<link rel="stylesheet" type="text/css" href="assets/css/style.css"/>
<link rel="preconnect" href="https://fonts.googleapis.com"/>
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin/>
<link href="https://fonts.googleapis.com/css2?family=Pacifico&display=swap" rel="stylesheet"/>
<link
href="https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100;0,300;0,400;0,500;0,700;0,900;
1,100;1,300;1,400;1,500;1,700;1,900&display=swap" rel="stylesheet"/>
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.4.0/css/all.min.css" integrity="sha512-
iecdLmaskl7CVkqkXNQ/ZH/XLlvWZOJyj7Yy7tcenmpD1ypASozpmT/E0iPtmFIB46ZmdtAc9eNBvH0H/ZpiBw=="
crossorigin="anonymous" referrerpolicy="no-referrer" />
</head>
<body id="recipes-body">
  <header></header>
  <div class="container my-5">
    <div class="row">
      <div class="col-sm-12 col-md-4 col-lg-3 col-12" id="sortAndFilter">
        <div class="sticky">
          <form class="d-flex" >
            <input class="form-control" type="search" class="" placeholder="Search for
recipes" aria-label="Search" id="search-bar"/>
          </form>
          <hr/>
          <div id="sort" class="sticky bg-light">
            <label>Sort By:</label><br/>
            <select class="form-select" id="sort-select">
              <option value="0">Choose sort type</option>
              <option value="dateSort">Date added</option>
              <option value="cookPrepSort">Cook + Prep time</option>
            </select>
          </div>
          <hr/>
          <div id="filter" class="sticky bg-light">
            <label>Filter Categories: </label><br/>
          </div>
          <div id="my-favourites" class="text-center my-4">
            <button class="btn btn-success btn-lg">My Favourite Recipes</button>
          </div>
        </div>
      </div>
      <div class="container col-sm-12 col-md-8 col-lg-9 col-12">
        <div class="row" id="recipe-list">

        </div>
      </div>
    </div>

    </div>
    <div class="mt-auto bg-light d-flex justify-content-around p-1"></div>
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"></script>

    <script src="assets/js/main.js"></script>
  </body>
</html>

```

Submit-recipe.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8"/>
  <meta http-equiv="X-UA-Compatible" content="IE=edge"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>SavorySpot</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWfSpd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous"/>
  <link rel="stylesheet" type="text/css" href="assets/css/style.css"/>
  <link rel="preconnect" href="https://fonts.googleapis.com"/>
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin/>
  <link href="https://fonts.googleapis.com/css2?family=Pacifico&display=swap" rel="stylesheet"/>
  <link
href="https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100;0,300;0,400;0,500;0,700;0,900;
1,100;1,300;1,400;1,500;1,700;1,900&display=swap" rel="stylesheet"/>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.4.0/css/all.min.css" integrity="sha512-
iecdLmaskl7CVkqkXNQ/ZH/XLlvWZOJyj7Yy7tcenmpD1ypASozpmT/E0iPtmFIB46ZmdtAc9eNBvH0H/ZpiBw=="
crossorigin="anonymous" referrerpolicy="no-referrer" />
</head>
<body id="recipes-body">
  <header></header>
  <div class="container my-5">
    <div class="row">
      <div class="col-sm-12 col-md-4 col-lg-3 col-12" id="sortAndFilter">
        <div class="sticky">
          <form class="d-flex" >
            <input class="form-control" type="search" class="" placeholder="Search for
recipes" aria-label="Search" id="search-bar"/>
          </form>
          <hr/>
          <div id="sort" class="sticky bg-light">
            <label>Sort By:</label><br/>
            <select class="form-select" id="sort-select">
              <option value="0">Choose sort type</option>
              <option value="dateSort">Date added</option>
              <option value="cookPrepSort">Cook + Prep time</option>
            </select>
          </div>
          <hr/>
          <div id="filter" class="sticky bg-light">
            <label>Filter Categories: </label><br/>
          </div>
          <div id="my-favourites" class="text-center my-4">
            <button class="btn btn-success btn-lg">My Favourite Recipes</button>
          </div>
        </div>
      </div>
      <div class="container col-sm-12 col-md-8 col-lg-9 col-12">
        <div class="row" id="recipe-list">

          </div>
        </div>
      </div>
    </div>
  </div>
```



```

    </div>
    <footer class="mt-auto bg-light d-flex justify-content-around p-1"></footer>
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"></script>

    <script src="assets/js/main.js"></script>
</body>
</html>

```

JSON:

Javascript:

```

let BASE_URL= "https://gringus0.github.io/savoryspot/";
let BASE_IMG = "assets/img/";
var url = document.location.pathname;
// console.log(url);
window.onload = function(){
    ajaxCB("menu.json", function(result){
        navigation(result);
    });
    footer();

    if (url == "/savoryspot/" || url == "/savoryspot/index.html") {

        ajaxCB("categories.json", function(result){
            addToLS("categoriesJSON", result);
        })

    }
    else if(url == "/savoryspot/recipes.html"){

        createRadio("sortDateAdded", ["sort-date-added-asc", "sort-date-added-desc"], ["Ascending",
"Descending"]);
        createRadio("sortCookTime", ["sort-time-asc", "sort-time-desc"], ["Ascending",
"Descending"]);
        ajaxCB("categories.json", function(result){
            result.forEach(category => {
                createCheckbox(category.name, category.id);
            });
            addToLS("categoriesJSON", result);
            let categoryCheckboxes = document.querySelectorAll('.category');
            categoryCheckboxes.forEach(function(checkbox) {
                checkbox.addEventListener('change', filterChange);
            });
            ajaxCB("recipes.json", function(result){
                let select = document.querySelector("#sort-select");
                let selectedIndex = select.selectedIndex;
                let selectedValue = select.options[selectedIndex].value;
                if(selectedValue == 0){
                    writeCardList(result);
                }
                select.addEventListener("change", filterChange);

                sortRecipes(result);
            });
        });
    }

```

```

    let favourites = [];
    if(localStorage.getItem("favourites")){
        favourites = getFromLS("favourites");
    }
    // console.log(favourites);

    let heartIcons = document.querySelectorAll('.heart-icon');

    favourites.forEach(favourite => {
        // console.log(favourite);
        heartIcons.forEach(heartIcon =>{
            if(heartIcon.parentElement.nextElementSibling.textContent ==
favourite.title){
                heartIcon.classList.replace("fa-regular", "fa-solid");
            }
        })
    })

    heartIcons.forEach(heartIcon => {
        heartIcon.addEventListener("click", function(){
            if(heartIcon.classList.contains("fa-regular")){
                heartIcon.classList.replace("fa-regular", "fa-solid");
                result.forEach(element => {
                    if(heartIcon.parentElement.nextElementSibling.textContent ==
element.title){
                        if(!favourites.includes(element)){
                            element.favourite = true;
                            favourites.push(element);
                            addToLS("favourites", favourites);
                        }
                        // console.log(favourites);
                    }
                })
            }
            else{
                heartIcon.classList.replace("fa-solid", "fa-regular");
                result.forEach(element => {
                    if(heartIcon.parentElement.nextElementSibling.textContent ==
element.title){
                        favourites = favourites.filter(favourite => favourite.title !=
element.title);
                        addToLS("favourites", favourites);
                        // console.log(favourites);
                    }
                })
            }
        })
    });

    document.querySelector("#my-favourites").addEventListener("click", function(){

```

```

        writeCardList(favourites);
        document.querySelectorAll(".fa-heart").forEach(heartIcon => {
            heartIcon.classList.replace("fa-regular", "fa-solid");
        })
    })

})

document.querySelector("#search-bar").addEventListener("keyup", search);

}
else if(url == "/savoryspot/submit-recipe.html"){
    ajaxCB("categories.json", function(result){
        addToLS("categoriesJSON", result);
    })
    let categories = getFromLS("categoriesJSON");
    createDDL("category-select", "#inputCategory", "category", categories);
    document.querySelector("#addCategory").addEventListener("click", function(e){
        e.preventDefault();
        createDDL("category-select", "#inputCategory", "category", categories);
    })

    addInput("#addIngredient", "#inputIngredients", "Apples");
    addInput("#addInstruction", "#inputInstructions", "Chop the apples");

    let emailRegex = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
    let nameOfRecipeRegex = /^[a-zA-Z]+(\s[a-zA-Z]+)*$/;
    let cookPrepServRegex = /^(0|[1-9][0-9]?|1[0-9]{2}|2[0-9]{2}|300)$/;

    document.querySelector("#submit-recipe").addEventListener("click", function(e){
        e.preventDefault();
        checkRegex("#email", emailRegex);
        checkRegex("#title", nameOfRecipeRegex);
        let descriptionValue = document.querySelector("#description").value;
        if(descriptionValue.length < 50){
            document.querySelector("#description").nextElementSibling.nextElementSibling.classList.remove("hide");
        }
        else {
            document.querySelector("#description").nextElementSibling.nextElementSibling.classList.add("hide");
        }
        checkRegex("#cooktime", cookPrepServRegex);
        checkRegex("#preptime", cookPrepServRegex);
        checkRegex("#number-of-servings", cookPrepServRegex);

        let fileInput = document.querySelector('#formFile');
        if(fileInput.files.length > 0){

```

```

        var fileExtension = getFileExtension(fileInput.files[0].name);
    }

    if(fileInput.files != null && fileInput.files.length > 0 && fileExtension == "jpg"){
        fileInput.nextElementSibling.classList.add("hide");
    }
    else{
        fileInput.nextElementSibling.classList.remove("hide");
    }

    let categorySelectValue = document.querySelector(".category-select").value;
    if(categorySelectValue == 0){
        document.querySelector(".category-select").parentElement.previousElementSibling.classList.remove("hide");
    }
    else{
        document.querySelector(".category-select").parentElement.previousElementSibling.classList.add("hide");
    }

    checkIngredientsOrInstructions("#ing1", "#ing2", "#ing3");
    checkIngredientsOrInstructions("#ins1", "#ins2", "#ins3");
    })
}

function search(){
    let input = document.querySelector("#search-bar");
    let filter = input.value.toLowerCase();
    let cards = document.querySelectorAll(".card");
    for(let i = 0; i < cards.length; i++){
        let title = cards[i].querySelector(".card-body").querySelector(".card-title");
        let titleValue = title.textContent;
        let categories = cards[i].querySelector(".card-body").querySelector(".card-categories");
        let categoriesValue = categories.textContent;
        if(titleValue.toLowerCase().indexOf(filter) > -1 ||
categoriesValue.toLowerCase().indexOf(filter) > -1){
            cards[i].style.display = "";
        }
        else{
            cards[i].style.display = "none";
        }
    }
}

function checkIngredientsOrInstructions(in1, in2, in3){
    let in1Value = document.querySelector(in1).value;
    let in2Value = document.querySelector(in2).value;
    let in3Value = document.querySelector(in3).value;
    if(in1Value == "" || in2Value == "" || in3Value == ""){
        document.querySelector(in1).parentElement.parentElement.previousElementSibling.classList.remove("hide");
    }
    else{

```

```

        document.querySelector(in1).parentElement.parentElement.previousElementSibling.classList.add(
("hide");
    }
}

function getFileExtension(filename){
    return filename.substring(filename.lastIndexOf('.')+1, filename.length) || filename;
}

function checkRegEx(elementId, regEx){
    let elementValue = document.querySelector(`#${elementId}`).value;
    if(elementValue == "" || elementValue == null || !regEx.test(elementValue)){
        document.querySelector(`#${elementId}`).nextElementSibling.nextElementSibling.classList.remove(
("hide");
    }
    else {
        document.querySelector(`#${elementId}`).nextElementSibling.nextElementSibling.classList.add("
hide");
    }
}

function writeCardList(array){
    let html = ``;
    array = categoryFilter(array);
    for(let item of array){
        let categoriesJSON = getFromLS("categoriesJSON");
        let categories = [];
        html += `<div class="card m-3" style="width: 18rem;">
            <div class="image-container">

                
                <div class="center"><a href="#" class="btn btn-primary modal-button" data-
bs-toggle="modal" data-bs-target="#modal${item.id}">Check it out!</a></div>
            </div>

            <div class="card-body">`
        categoriesJSON.forEach(category => {
            item.categoryId.forEach(itemCategoryId => {
                if(category.id == itemCategoryId){
                    categories.push(category.name);
                }
            });
        });
        let categoryText = categories.join(", ");
        html += `
            <div class="heart-icon-container mb-2 text-center">
                <i class="fa-regular fa-heart fa-xl heart-icon" style="color:
#ff0000;"></i>
                <i class="fa-solid fa-heart fa-xl heart-icon" style="display: none;
color: #ff0000;"></i>
            </div>
            <h5 class="card-title">${item.title}</h5>

            <p class="card-text card-categories">${categoryText}</p>
            <p class="card-text">Prep time: ${item.prep_time} minutes</p>

```

```

        <p class="card-text">Cook time: ${item.cook_time} minutes</p>
        <p class="card-text">${item.description}</p>
      </div>
    </div>`
    let modal = `
      <div class="modal fade p-0" id="modal${item.id}" tabindex="-1" aria-
labelledby="exampleModallabel" aria-hidden="true">
        <div class="modal-dialog modal-fullscreen">
          <div class="modal-content">
            <div class="modal-header">
              <h5 class="modal-title" id="exampleModallabel">${item.title}</h5>
              <button type="button" class="btn-close" data-bs-dismiss="modal" aria-
label="Close"></button>
            </div>
            <div class="modal-body row">
              <div class="col-sm-3">
                
                <small>Date added: ${item.dateAdded}</small>
                <p class="mt-2">Prep time: ${item.prep_time} minutes</p>
                <p class="">Cook time: ${item.cook_time} minutes</p>
                <p class="">Number of servings: ${item.servings}</p>
              </div>
              <div class="col-sm-3">
                <h6>Ingredients:</h6>`
                item.ingredients.forEach((ingredient, index) => {
                  modal += `
                    <p class="mb-0">${index+1}) ${ingredient}</p>
                  `
                })
                modal += `
              </div>
              <div class="col-sm-3">
                <h6>Instructions:</h6>`
                item.instructions.forEach((instruction, index) => {
                  modal += `
                    <p class="mb-0">${index+1}) ${instruction}</p>
                  `
                })
                modal += `
              </div>
              <div class="col-sm-3">
                <h6>Nutritional information:</h6>
                <p class="mb-1">Calories: ${item.nutritional_info.calories}kcal</p>
                <p class="mb-1">Fat: ${item.nutritional_info.fat}g</p>
                <p class="mb-1">Carbohydrates:
${item.nutritional_info.carbohydrates}g</p>
                <p class="mb-1">Protein: ${item.nutritional_info.protein}g</p>
                <p class="mb-1">Sodium: ${item.nutritional_info.sodium}mg</p>
              </div>
            </div>
            <div class="modal-footer">
              <button type="button" class="btn btn-secondary" data-bs-
dismiss="modal">Close</button>
            </div>
          </div>
        </div>
      </div>`
  
```

```

        </div>
        `
        html += modal;

    }
    document.querySelector("#recipe-list").innerHTML = html;
}

function addToLS(name, data){
    localStorage.setItem(name, JSON.stringify(data));
}

function getFromLS(name){
    return JSON.parse(localStorage.getItem(name));
}

function addInput(divInputId, divButtonId, placeholder){
    document.querySelector(`${divInputId}`).addEventListener("click", function(e){
        e.preventDefault();
        document.querySelector(`${divButtonId}`).innerHTML += `<input type="text" class="form-control mb-1" placeholder="${placeholder}"/>`
    })
}

function createCheckbox(name, id){
    let html = `<div class="form-check">
        <input class="form-check-input category" type="checkbox" value="${id}" id="${name}"
name="${name.toLowerCase()}" />
        <label class="form-check-label" for="${name}">${name}</label>
    </div>`
    document.querySelector("#filter").innerHTML += html;
}

function createRadio(name, idArray, labelArray){
    let html = ``;
    html += `<div id="${name}" class="hide">`
    for(let i = 0; i < idArray.length; i++){
        html += `<div class="form-check">
            <input class="form-check-input" type="radio" name="${name}"
id="${idArray[i]}" value="${idArray[i]}" />
            <label class="form-check-label" for="${idArray[i]}">${labelArray[i]}</label>
        </div>`
    }
    html += `</div>`
    document.querySelector("#sort").innerHTML += html;
}

function createDDL(selectClass, divId, listName, array){
    let html = ``;
    html += `<select class="form-select ${selectClass}">
        <option value="0">Choose a ${listName}</option>`
    for(let item of array){
        html += `<option value="${item.name.toLowerCase()}">${item.name}</option>`
    }

    html += `

```

```

        </select>`
    document.querySelector(`${divId}`).innerHTML += html;
}

function sortRecipes(array) {
    let select = document.querySelector('#sort-select');
    let sortDateAdded = document.querySelector('#sortDateAdded');
    let sortCookTime = document.querySelector('#sortCookTime');

    select.addEventListener('change', () => {

        let value = select.value;

        sortDateAdded.classList.add('hide');
        sortCookTime.classList.add('hide');

        if (value === 'dateSort') {
            sortDateAdded.classList.remove('hide');
        } else if (value === 'cookPrepSort') {
            sortCookTime.classList.remove('hide');
        }
    });

    let sortDateAddedRadios = document.querySelectorAll('[name="sortDateAdded"]');
    let sortCookTimeRadios = document.querySelectorAll('[name="sortCookTime"]');

    sortDateAddedRadios.forEach(radio => {

        radio.addEventListener('change', () => {

            let value = radio.value;

            if (value === 'sort-date-added-asc') {
                array.sort((a, b) => new Date(a.dateAdded) - new Date(b.dateAdded));
                writeCardList(array);
                radio.addEventListener("change", search())
            } else if (value === 'sort-date-added-desc') {
                array.sort((a, b) => new Date(b.dateAdded) - new Date(a.dateAdded));
                writeCardList(array);
                radio.addEventListener("change", search())
            }

            favourite(array);
        });
    });
}

```



```

        // console.log(array);
    });

});

sortCookTimeRadios.forEach(radio => {

    radio.addEventListener('change', () => {

        let value = radio.value;

        if (value === 'sort-time-asc') {
            array.sort((a, b) => a.cook_time + a.prep_time - b.cook_time - b.prep_time);
            writeCardList(array);
            radio.addEventListener("change", search())
        } else if (value === 'sort-time-desc') {
            array.sort((a, b) => b.cook_time + b.prep_time - a.cook_time - a.prep_time);
            writeCardList(array);
            radio.addEventListener("change", search())
        }

        favourite(array);
        // console.log(array);
    });

});

return array;
}

function categoryFilter(array) {
    let checkedCategories = [];
    let categoryCheckboxes = document.querySelectorAll('.category:checked');
    categoryCheckboxes.forEach(function(checkbox) {
        checkedCategories.push(parseInt(checkbox.value));
    });
    if (checkedCategories.length !== 0) {
        return array.filter(function(a) {
            return a.categoryId.some(function(b) {
                return checkedCategories.includes(b);
            });
        });
    }
}

return array;
}

function navigation(array){
    let header = document.querySelector("header");
    let html = `<nav class="navbar navbar-expand-lg navbar-light bg-light sticky-top">
        <div class="container-fluid">
            <a class="navbar-brand" href="index.html" id="nav-title">SavorySpot</a>
            <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-
bs-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle
navigation">

            <span class="navbar-toggler-icon"></span>

```

```

        </button>
        <div class="collapse navbar-collapse" id="navbarNav">
            <ul class="navbar-nav ms-auto">`;
        for(let item of array){
            html += `<li class="nav-item">
                <a class="nav-link active" aria-current="page"
href="${item.href}">${item.name}</a>
                </li>`;
        }
        html += `</ul>

        </div>
        </div>
        </nav>`
        header.innerHTML = html;
    }

    function footer(){
        let html = `
            <div class="d-flex justify-content-center col-8">
                <p class="m-0">Made by:&nbsp;</p>
                <a href="https://gringus0.github.io/002-portfolio-website/" class="text-
dark">Aleksandar Jovanović 104/21</a>
                <p class="m-0">&copy; Visoka ICT Škola</p>
            </div>
            <div class="col-4 d-flex justify-content-evenly align-items-center">
                <a href="https://twitter.com" target="_blank"><i class="fa-brands fa-twitter"
style="color: #000000;"></i></a>
                <a href="https://www.instagram.com" target="_blank"><i class="fa-brands fa-
instagram" style="color: #000000;"></i></a>
                <a href="https://www.facebook.com" target="_blank"><i class="fa-brands fa-facebook"
style="color: #000000;"></i></a>
                <a href="documentation.pdf" target="_blank"><i class="fa-solid fa-file"
style="color: #000000;"></i></a>
                <a href="sitemap.xml" target="_blank"><i class="fa-solid fa-sitemap" style="color:
#000000;"></i></a>
            </div>`
        document.querySelector("footer").innerHTML = html;
    }

    function filterChange(){
        ajaxCB("recipes.json", function(result){
            writeCardList(result);
            search();

            favourite(result);

        })
    }

    function favourite(array){
        let favourites = [];
        if(localStorage.getItem("favourites")){
            favourites = getFromLS("favourites");
        }
        // console.log(favourites);
    }

```

```

let heartIcons = document.querySelectorAll('.heart-icon');

favourites.forEach(favourite => {
  // console.log(favourite);
  heartIcons.forEach(heartIcon =>{
    if(heartIcon.parentElement.nextElementSibling.textContent == favourite.title){
      heartIcon.classList.replace("fa-regular", "fa-solid");
    }
  })
})

heartIcons.forEach(heartIcon => {
  heartIcon.addEventListener("click", function(){
    if(heartIcon.classList.contains("fa-regular")){
      heartIcon.classList.replace("fa-regular", "fa-solid");
      array.forEach(element => {
        if(heartIcon.parentElement.nextElementSibling.textContent == element.title){
          if(!favourites.includes(element)){
            element.favourite = true;
            favourites.push(element);
            addToS("favourites", favourites);
          }
          console.log(favourites);
        }
      })
    }
    else{
      heartIcon.classList.replace("fa-solid", "fa-regular");
      array.forEach(element => {
        if(heartIcon.parentElement.nextElementSibling.textContent == element.title){
          favourites = favourites.filter(favourite => favourite.title !=
element.title);

          addToS("favourites", favourites);
          console.log(favourites);
        }
      })
    }
  })
});
}

function ajaxCB(file, result){
  $.ajax({
    url: "assets/data/json/" + file,
    method: "get",
    dataType: "json",
    success: result,
    error: function(xhr, exception){
      console.error(xhr);
      msg = "";
    }
  });
}

```

```

        if(xhr.status === 0){
            msg = "Not connected.";
        }
        else if(xhr.status == 404){
            msg = 'Requested page not found. [404]';
        }
        else if (xhr.status == 500) {
            msg = 'Internal Server Error [500].';
        }
        else if (exception === 'parsererror') {
            msg = 'Requested JSON parse failed.';
        }
        else if (exception === 'timeout') {
            msg = 'Timeout error.';
        }
        else if (exception === 'abort') {
            msg = 'Ajax request aborted.';
        }
        else {
            msg = 'Uncaught Error.\n' + xhr.responseText;
        }
    }
})
}

```

CSS:

```

* {
    margin: 0px;
    padding: 0px;
    font-family: 'Roboto', sans-serif;
}
#cover {
    background: linear-gradient(rgba(0, 0, 0, 0.5), rgba(0, 0, 0, 0.5)), url(..img/cover-blurred.jpg);
    background-repeat: no-repeat;
    height: 100vh;
    background-size: cover;
}
#nav-title {
    font-family: 'Pacifico', cursive;
}
#main-title {
    font-family: 'Pacifico', cursive;
    font-size: 350%;
}
.lead{
    font-weight: 400;
}
#sort, #filter {
    padding: 10px;
    border: 1px solid black;
    border-radius: 20px;
}

```

```

#search-bar {
  border-radius: 20px;
  border: 1px solid black;
}

header {
  position: -webkit-sticky;
  position: sticky;
  top: 0;
  z-index: 1;
}

.sticky {
  position: -webkit-sticky;
  position: sticky;
  top: 9%;
}

.hide {
  display: none;
}

.image-container {
  position: relative;
  display: inline-block;
}

.center {
  position: absolute;
  top: 50%;
  left: 50%;
  transform: translate(-50%, -50%);
  opacity: 0;
  transition: opacity 0.3s ease-in-out;
}

.card-img-top {
  transition: filter 0.3s ease-in-out;
}

.card-img-top:hover {
  filter: brightness(70%);
}

.card-img-top:hover + .center {
  opacity: 1;
}

.card {
  padding: 0;
}

.center:hover {
  opacity: 1;
}

#description {
  height: 8em;
}

```

```

}

#recipes-body {
  background: rgb(164,152,152);
  background: linear-gradient(135deg, rgba(164,152,152,1) 0%, rgba(219,239,240,1) 33%,
  rgba(230,161,44,1) 66%, rgba(254,97,82,1) 100%);
}

#submit-body {
  background: rgb(164,152,152);
  background: linear-gradient(135deg, rgba(164,152,152,1) 0%, rgba(219,239,240,1) 33%,
  rgba(230,161,44,1) 66%, rgba(254,97,82,1) 100%);
}

@media screen and (max-width: 576px){
  .sticky {
    position: -webkit-sticky;
    position: relative;
    top: 0;
  }
  h6 {
    margin-top: 10px;
  }
  .lead {
    font-size: medium;
  }
  #cover {
    height: 130vh;
  }
  #main-title{
    font-size: 300%;
    margin-bottom: 50px;
  }
  main {
    margin: 10%;
  }
}

```