


## Exercise 2:



**Survey**


If you have a moment, we'd appreciate it if you would fill out this survey

**Your information:**

**First Name**

**Last Name**

**Email**

**Date of Birth**  

**How did you hear about us?**

☐ Search engine ☐ Word of mouth ☐ Social Media ☐ Other

**Would you like to receive announcements about new CDs and special offers?**

☐ YES, I'd like that.

☐ YES, please send me email announcements.

Please contact me by:

### 1. Functionality

- Input Fields: All basic fields (First Name, Last Name, Email, Date of Birth) are correctly implemented using `<input>` tags with appropriate type attributes (text, email, date).
- Radio Buttons: The “How did you hear about us?” section uses a shared name attribute, ensuring only one option can be selected at a time.
- Checkboxes: Implemented with `<input type="checkbox">`, but require `name="interests[]"` and individual value attributes to correctly submit multiple selections.
- Dropdown Menu: Implemented with the `<select>` tag and functions properly.

## 2. HTML Structure

- Overall Structure: The document follows proper HTML5 syntax, including `<!DOCTYPE html>`, `<html>`, `<head>`, and `<body>`.
- Labels and Attributes: Most fields correctly use `<label for="...">` to link labels with inputs, improving accessibility. The checkbox section still lacks proper labels.
- Grouping: Sections can be further improved using `<fieldset>` and `<legend>` to semantically group related elements.

## 3. Visual Design & Layout

- Layout Approach: The form currently uses a combination of `<table>` for personal information and Flexbox (via Bootstrap) for radio buttons. This approach works but creates visual inconsistency.
- Consistency: Checkboxes, dropdown, and the submit button are not aligned or styled uniformly with the rest of the form. Adding Bootstrap spacing utilities (e.g., `.mb-3`) will improve overall consistency.

## 4. Bootstrap Integration

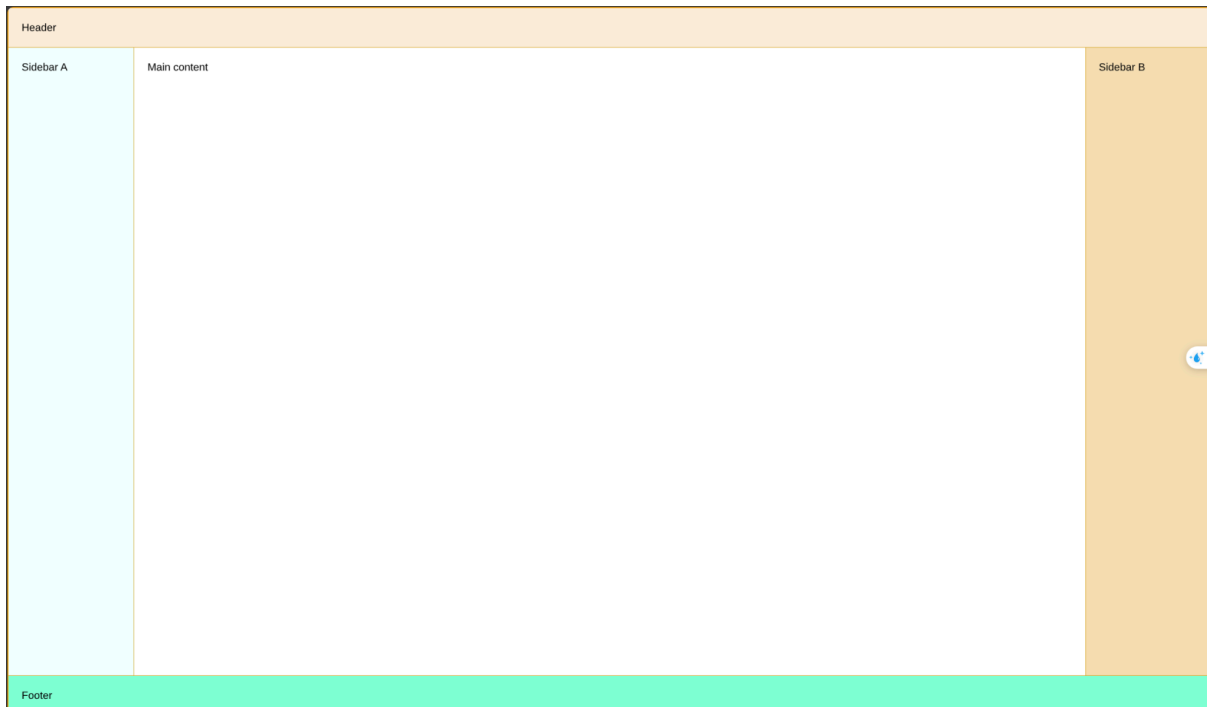
- Library Linking: Bootstrap CSS is correctly linked in the `<head>`.
- Class Usage:

`.form-control` applied to text inputs.

`.form-check` and `.form-check-inline` applied to radio buttons.

Bootstrap table classes used for layout.

### Exercise 3:



#### Step 1: Creating the Vertical Layout (Header, Content, Footer)

- Wrap the entire page: Use a parent container such as `<div class="page-container">` to enclose all page components.
- Define Flexbox container: Apply `display: flex;` to the parent container.
- Set vertical direction: Use `flex-direction: column;` to stack the child elements (`<header>`, `<main>`, `<footer>`) vertically.
- Allow content to grow: Apply `flex: 1;` (or `flex-grow: 1;`) to the central content area (`<main>`) so it expands and fills the remaining vertical space between the header and footer.

#### Step 2: Creating the 3-Column Horizontal Layout

- Define nested Flexbox container: Set `display: flex;` on the `<main>` element. By default, `flex-direction` is row, which arranges its child columns horizontally.
- Implement fixed-width layout:
- Main content: Apply `flex: 1;` (or `flex-grow: 1;`) to make this column flexible and occupy most of the available space.
- Sidebars A and B: Assign fixed widths using either `width: 150px;` or `flex-basis: 150px;`. The flex-basis approach is recommended when working with Flexbox layout

## Exercise 4:

### San Joaquin Valley Town Hall

Bringing cutting-edge speakers to the valley

#### This season's guest speakers

- October: David Brancaccio
- November: Andrew Ross Sorkin
- January: Amy Chua
- February: Scott Sampson
- March: Carlos Eire
- April: Ronan Tynan

#### Looking for a unique gift?

Town Hall has the answer. For only \$100, you can get a book of tickets for all of the remaining speakers. And the bargain includes a second book of tickets for a companion.

Or, for \$50, you can give yourself the gift of our speakers, and still get an extra ticket for a companion, but for just one of the events. See you at the next show?

Contact us by phone at (559) 555-1212 for ticket information.

#### Lecture notes

##### Event change for November

SJV Town Hall is pleased to announce the addition of award-winning author Andrew Ross Sorkin. The appearance of previously scheduled speaker, Greg Mortenson, has been postponed.

##### Lecture day, time, and location

All one-hour lectures are on the second Wednesday of the month beginning at 10:30 a.m. at William Saroyan Theatre, 700 M Street, Fresno, CA.

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## 1. Layout Structure

- The entire page is wrapped inside a parent container: `<div class="page-container">`.
- The page contains three main sections:
- `<header>` – the top section with the page title and subtitle.
- `<main>` – the central content area of the page.
- `<footer>` – the bottom section for copyright information.

## 2. Flexbox Implementation

### - Step 1 – Vertical Layout:

- The `.page-container` uses `display: flex;` and `flex-direction: column;` to arrange the header, main, and footer vertically.
- `min-height: 100vh;` makes the layout stretch to fill the full height of the screen.
- The `<main>` section uses `flex: 1;` so it expands to fill the space between the header and footer.

### - Step 2 – Horizontal Layout (Columns):

- The `.main-content-area` inside `<main>` is also a Flexbox container (`display: flex;`) with the default `flex-direction: row;`
- The `.main-column` takes 60% of the width (`flex: 0 0 60%`) for the main content.
- The `.sidebar-column` takes 40% (`flex: 0 0 40%`) and has a light background color to visually separate it.