Project Submission Report

Project 1: Event Calendar

Project Overview

The Event Calendar is a web application designed to allow users to create, view, and manage events on specific dates. It provides a simple calendar interface with month navigation, event creation, and local storage support.

Objectives

• Build an interactive calendar with month navigation.
• Enable users to add events with title, time, and description.
• Persist data using localStorage.
• Create a user-friendly and responsive interface with Bootstrap.

Expected Outcomes

• Users can manage daily events efficiently.
• Events are stored persistently in the browser.
• Calendar view dynamically updates when navigating months.
• Easy-to-use interface for students, employees, or event planners.

Design Sections

• Frontend (HTML): Calendar grid, navigation buttons, modal for event input.
• Styling (CSS): Responsive table layout, event badges, hover effects.
• Logic (JavaScript): Calendar rendering, month navigation, add events, save/load from localStorage.

Code Snippets

Example snippet from JavaScript:

```javascript
// Render Calendar
function renderCalendar(date) {
  calendarTable.innerHTML = '';
  const year = date.getFullYear();
  const month = date.getMonth();
  monthYear.textContent = `${monthNames[month]} ${year}`;
  ...
}
```

👉 Insert screenshots of calendar view, event modal, and event display here.

Project 2: To-Do List Application

Project Overview
The To-Do List is a lightweight task management web application that helps users organize daily tasks. It allows adding, editing, deleting, marking tasks as completed, and filtering them.

Objectives
• Allow users to add and manage tasks dynamically.
• Provide options to mark tasks as completed or active.
• Implement filtering: All, Completed, and Active tasks.
• Create a responsive, minimal UI with Bootstrap.

Expected Outcomes
• Users can effectively manage and track tasks.
• Completed tasks are visually distinguished with strike-through.
• Tasks can be edited or removed easily.
• Enhanced productivity and task organization.

Design Sections
• Frontend (HTML): Input box, add button, filter buttons, task list.
• Styling (CSS): Task completion styles, responsive alignment, hover buttons.
• Logic (JavaScript): Add, edit, delete, filter tasks, toggle completed state.

Code Snippets
Example snippet from JavaScript:

```javascript
// Add a new task
addTaskBtn.addEventListener('click', () => {
 const taskText = taskInput.value.trim();
 if (taskText === '') return;

 const li = document.createElement('li');
 li.classList.add('list-group-item');
 li.innerHTML = `
  <input type="checkbox" class="mr-2 task-checkbox">
  <span class="task-text">${taskText}</span>
  <div>
    <button class="btn btn-sm btn-info edit-btn">Edit</button>
    <button class="btn btn-sm btn-danger delete-btn">Delete</button>
```
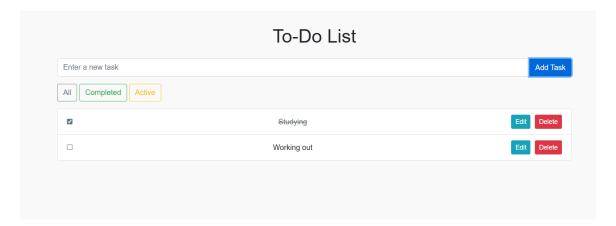
```
    </div>`;
 taskList.appendChild(li);
 taskInput.value = '';
});
```

Screenshots

Event Calendar

TO-DO LIST

To-Do List

| Enter a new task | Add Task |

| All | Completed | Active |

| ☑ | ~~Studying~~ | Edit | Delete |
| ☐ | Working out | Edit | Delete |

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