

Front-End UI/UX Mini Project

1. Title Page

- **Project Title:** StepAhead - To-Do List Application
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2. Abstract

StepAhead is a productivity-focused web application that enables users to manage their daily activities, set collaborative goals, and measure their achievements effectively. Designed with an emphasis on user-friendly navigation and responsiveness, StepAhead provides an intuitive interface for task management, progress tracking, and social collaboration. The project highlights the use of HTML, CSS, Bootstrap, JavaScript, and jQuery to create an interactive multi-page website that works seamlessly across devices.

3. Objectives

- Build a user-friendly and visually appealing productivity website.
- Provide features for task management, goal tracking, and achievement measurement.
- Enable collaboration by allowing goal tracking with friends.
- Implement responsive design for laptop and mobile devices.
- Apply front-end technologies (HTML, CSS, Bootstrap, JavaScript, jQuery) in a practical project.

4. Scope of the Project

StepAhead is targeted at students, professionals, and teams who want to:

- Track their daily activities efficiently.
- Collaborate with friends to achieve shared goals.
- Monitor their overall progress and celebrate achievements.

Features include:

- Daily activity tracker (Stay Productive).
- Goal collaboration platform (Track Your Goals).
- Progress and success measurement with visual feedback (Achieve Success).
- Responsive and visually engaging design.

Future Scope:

- User authentication and personalized dashboards.
- Cloud-based task synchronization across devices.
- Integration with calendars and reminders.

5. Tools and Technologies Used

Tool/Technology	Purpose
HTML5	Markup and structure
CSS3	Styling and responsive design
Bootstrap 5	Layout and responsiveness
JavaScript (ES6)	Interactivity and task management
jQuery	DOM manipulation and event handling
VS Code	Code editor

6. HTML Structure Overview

- **index.html** – Landing page with introduction and navigation cards.
- **stay-productive.html** – Daily activity tracker with add, edit, delete features.
- **track-goals.html** – Goal tracking page with collaboration support.
- **achieve-success.html** – Achievement tracking and progress visualization.
- **script.js** – Common JavaScript file handling dynamic interactions.
- **style.css** – Global styling for consistent UI.

Key Elements:

- `<header>` – Title and description banner.
- `<main>` – Task and goal management content.
- `<footer>` – Copyright and site info.

7. CSS Styling Strategy

- Light and attractive backgrounds for a motivating environment.
- Larger layout to mimic laptop screen design.
- Bootstrap grid system for responsive alignment.
- Hover effects and transitions for interactive cards.
- Consistent typography and spacing for readability.

8. Key Features

- Multi-page navigation for structured workflows.
- Add, edit, delete, and mark tasks as complete.
- Filter tasks by Active/Completed/All.
- Collaborative goals management with friends.
- Achievement page with progress bar visualization.
- Responsive design ensuring accessibility across devices.

9. Challenges Faced and Solutions

Challenge	Solution
Maintaining design consistency across pages	Created a shared stylesheet and reused components.
Making the site responsive on all devices	Used Bootstrap's grid system and media queries.
Handling dynamic task updates	Implemented jQuery event delegation for add/edit/delete.
Designing engaging visuals	Used attractive photos and background banners.

10. Sample Program Code

index.html :

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>StepAhead</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet">

<link rel="stylesheet" href="style.css">

<style>

.laptop-screen {
max-width: 1600px; /* increased width */
margin: 40px auto;
background: #445f7b;
padding: 40px;
border-radius: 12px;
box-shadow: 0px 6px 20px rgba(0,0,0,0.2);
}

.header-banner {
background: url('7c94c9b5-fac8-4d47-8683-a4189ce27d8f.png') no-repeat center center;
background-size: cover;
color: #22184a;
text-align: center;
padding: 60px 20px;
border-radius: 12px;
}
```

```
.header-banner h1 {
font-size: 3rem;
font-weight: bold;
}

.header-banner p {
font-size: 1.3rem;
margin-top: 15px;
}

.card-custom {
transition: transform 0.2s ease-in-out;
cursor: pointer;
}

.card-custom:hover {
transform: scale(1.05);
}

footer {
text-align: center;
padding: 20px;
border-radius: 12px;
background: url('7c94c9b5-fac8-4d47-8683-a4189ce27d8f.png') no-repeat center center;
background-size: cover;
color: #fff;
margin-top: 40px;
}

</style>

</head>

<body>

<div class="laptop-screen">
```

```
<header class="header-banner">

<h1>Welcome to StepAhead</h1>

<p>StepAhead helps you stay productive, track your goals, and achieve success with daily
progress and collaboration.</p>

</header>

<main class="container text-center my-5">

<h2 class="mb-5" style="font-size:2rem;">Choose Your Journey</h2>

<div class="row g-4">

<!-- Stay Productive -->

<div class="col-md-4">

<div class="card card-custom h-100" onclick="location.href='stay-productive.html'">



<div class="card-body">

<h5 class="card-title">Stay Productive</h5>

<p class="card-text">Track your daily activities efficiently.</p>

</div>

</div>

</div>

<div class="col-md-4">

<div class="card card-custom h-100" onclick="location.href='track-goals.html'">



<div class="card-body">

<h5 class="card-title">Track Your Goals</h5>

<p class="card-text">Work on goals together with friends.</p>

</div>

</div>

</div>

<div class="col-md-4">
```

```
<div class="card card-custom h-100" onclick="location.href='achieve-success.html'">

<div class="card-body">
<h5 class="card-title">Achieve Success</h5>
<p class="card-text">Measure your progress and celebrate success.</p>
</div>
</div>
</div>
</div>
</div>
</main>
<footer>
<small>© 2025 StepAhead</small>
</footer>
</div>
</body>
</html>
```

stay-productive.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Stay Productive - Daily Tracker</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet">
<link rel="stylesheet" href="style.css">
</head>
<body>
```



```

<div class="laptop-screen">
<header class="bg-success text-white text-center py-3 rounded">
<h1>Daily Activity Tracker</h1>
</header>
<main class="container my-4">
<button class="btn btn-secondary mb-3" onclick="location.href='index.html'">← Back to
Home</button>
<div class="input-group mb-3">
<input type="text" class="form-control add-input" placeholder="Enter your activity">
<button class="btn btn-primary add-btn">Add</button>
</div>
<ul id="activityList" class="list-group"></ul>
</main>
</div>
<script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
<script src="script.js"></script>
</body>
</html>

```

track-goals.html:

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Track Your Goals</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet">
<link rel="stylesheet" href="style.css">
</head>

```

```
<body>

<div class="laptop-screen">

<header class="bg-info text-white text-center py-3 rounded">

<h1>Track Your Goals with Friends</h1>

</header>

<main class="container my-4">

<button class="btn btn-secondary mb-3" onclick="location.href='index.html'">← Back to
Home</button>

<!-- Filters -->

<div class="mb-3 text-center">

<button class="btn btn-outline-secondary filter-btn" data-filter="all">All</button>

<button class="btn btn-outline-success filter-btn" data-filter="active">Active</button>

<button class="btn btn-outline-danger filter-btn" data-
filter="completed">Completed</button>

</div>

<!-- Add Goal -->

<div class="input-group mb-3">

<input type="text" class="form-control add-input" placeholder="Enter a goal">

<input type="text" class="form-control add-input" placeholder="Assign to friend
(optional)">

<button class="btn btn-primary add-btn">Add Goal</button>

</div>

<ul id="goalList" class="list-group"></ul>

</main>

</div>

<script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>

<script src="script.js"></script>

</body>

</html>
```

achieve-success.html:

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Achieve Success</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet">

<style>

body {

background: #f0f4f8;

font-size: 1.1rem;

}

.laptop-screen {

max-width: 900px;

margin: 30px auto;

padding: 20px;

background: #ffffff;

border-radius: 15px;

box-shadow: 0 8px 25px rgba(0,0,0,0.15);

}

header {

background: #5bc0de; /* Soft light blue */

color: #fff;

font-size: 2rem;

font-weight: 600;

}

footer {
```

```
background: #5bc0de; /* Same as header */
color: #fff;
text-align: center;
padding: 15px 0;
border-radius: 0 0 15px 15px;
margin-top: 20px;
}

.list-group-item.completed {
text-decoration: line-through;
background-color: #d4edda;
}

.add-input {
font-size: 1rem;
}

.btn {
font-size: 1rem;
}

.progress {
height: 25px;
font-weight: 500;
}

</style>

</head>

<body>

<div class="laptop-screen">

<header class="text-center py-3 rounded-top">

<h1>Achievements & Progress</h1>

</header>
```

```
<main class="container my-4">

<button class="btn btn-secondary mb-3" onclick="location.href='index.html'">← Back to
Home</button>

<!-- Filters -->

<div class="mb-3 text-center">

<button class="btn btn-outline-secondary filter-btn" data-filter="all">All</button>

<button class="btn btn-outline-success filter-btn" data-filter="active">Active</button>

<button class="btn btn-outline-danger filter-btn" data-
filter="completed">Completed</button>

</div>

<!-- Add Achievement -->

<div class="input-group mb-3">

<input type="text" class="form-control add-input" placeholder="Add a new achievement">

<button class="btn btn-success add-btn">Add</button>

</div>

<h4 class="mb-3">Your Achievements</h4>

<ul id="achievementList" class="list-group mb-4"></ul>

<h4 class="mb-3">Progress</h4>

<div class="progress mb-3">

<div id="progressBar" class="progress-bar progress-bar-striped bg-success"
role="progressbar" style="width: 0%">0%</div>

</div>

</main>

<footer>

&copy; 2025 Achieve Success

</footer>

</div>

<script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>

<script>

$(document).ready(function() {
```

```

function updateProgress() {
let total = $('#achievementList li').length;
let completed = $('#achievementList li.completed').length;
let percent = total ? Math.round((completed / total) * 100) : 0;
$('#progressBar').css('width', percent + '%').text(percent + '%');
}

// Add new achievement
$('.add-btn').click(function() {
let val = $('.add-input').val().trim();
if (val) {
$('#achievementList').append('<li class="list-group-item">' + val + '</li>');
$('.add-input').val("");
updateProgress();
}
});

// Toggle completed status
$(document).on('click', '#achievementList li', function() {
$(this).toggleClass('completed');
updateProgress();
});

// Filter achievements
$('.filter-btn').click(function() {
let filter = $(this).data('filter');
if (filter === 'all') {
$('#achievementList li').show();
} else if (filter === 'active') {
$('#achievementList li').hide().filter(':not(.completed)').show();
} else if (filter === 'completed') {

```

```
$('#achievementList li').hide().filter('.completed').show();  
}  
});  
});  
</script>  
</body>  
</html>
```

Style.css:

```
body {  
background: #f8f9fa;  
font-family: Arial, sans-serif;  
}  
.laptop-screen {  
max-width: 1400px; /* laptop-like width */  
margin: 30px auto;  
background: #fff;  
padding: 30px;  
border-radius: 12px;  
box-shadow: 0px 6px 15px rgba(0,0,0,0.15);  
}  
.card-custom {  
transition: transform 0.2s ease-in-out;  
cursor: pointer;  
}  
.card-custom:hover {  
transform: scale(1.05);  
}
```

```
.completed {
text-decoration: line-through;
color: gray;
}

.completed {
text-decoration: line-through;
color: gray;
}
```

Script.html:

```
$(document).ready(function () {
// Add Item (Activity / Goal / Achievement)
$(".add-btn").click(function () {
let inputs = $(this).siblings("input");
let inputText = inputs.map((i, el) => $(el).val().trim()).get().join(" ");
let list = $(this).closest(".container").find("ul");
if (inputText !== "") {
let listItem = $("<li class='list-group-item d-flex justify-content-between align-items-center'></li>");
listItem.append("<span class='item-text'>" + inputText + "</span>");
listItem.append(`
<div>
<button class="btn btn-sm btn-success complete-btn">✓</button>
<button class="btn btn-sm btn-warning edit-btn">✎</button>
<button class="btn btn-sm btn-danger delete-btn">✕</button>
</div>
`);
list.append(listItem);
inputs.val("");
```



```

}
updateProgress();
});

// Delete

$(document).on("click", ".delete-btn", function () {
$(this).closest("li").remove();
updateProgress();
});

// Complete / Toggle

$(document).on("click", ".complete-btn", function () {
let item = $(this).closest("li");
item.toggleClass("list-group-item-success");
item.find(".item-text").toggleClass("completed");
updateProgress();
});

// Edit

$(document).on("click", ".edit-btn", function () {
let item = $(this).closest("li");
let textSpan = item.find(".item-text");
let newText = prompt("Edit item:", textSpan.text());
if (newText !== null && newText.trim() !== "") {
textSpan.text(newText);
}
});

// Filter

$(".filter-btn").click(function () {
let filter = $(this).data("filter");
let list = $(this).closest(".container").find("ul li");
list.each(function () {

```

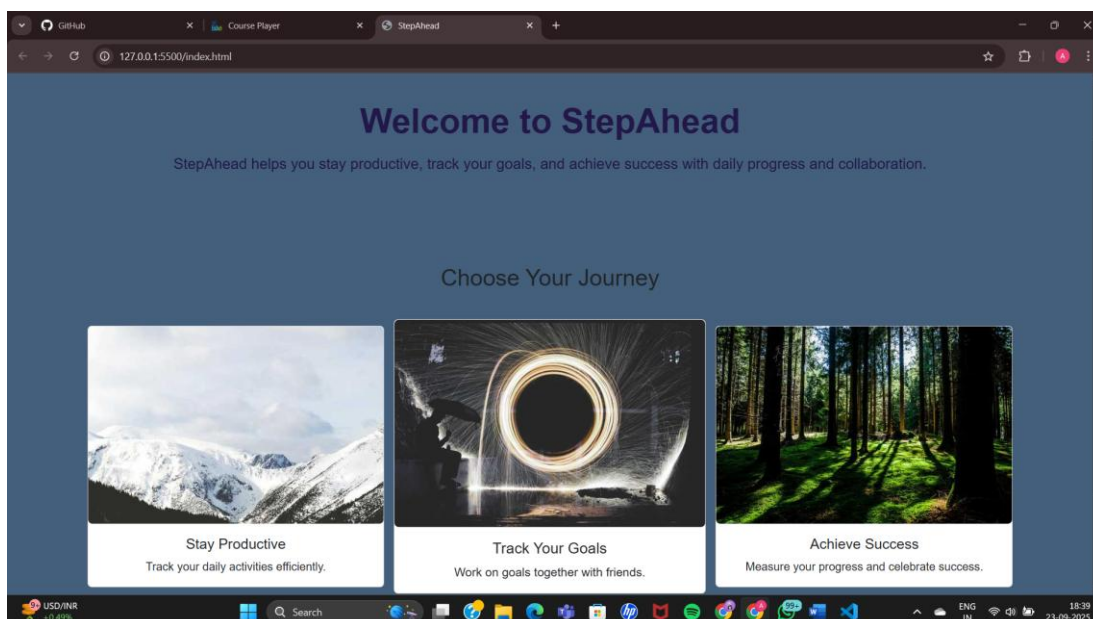
```

let isCompleted = $(this).hasClass("list-group-item-success");
if (filter === "all") $(this).show();
else if (filter === "active" && isCompleted) $(this).hide();
else if (filter === "completed" && !isCompleted) $(this).hide();
else $(this).show();
});
});

// Progress Bar (Achievements page only)
function updateProgress() {
if ($("#achievementList").length) {
let total = $("#achievementList li").length;
let completed = $("#achievementList li.list-group-item-success").length;
let percent = total > 0 ? Math.round((completed / total) * 100) : 0;
$("#progressBar").css("width", percent + "%").text(percent + "%");
}
}
});

```

11. Screenshots of Website



Daily Activity Tracker

← Back to Home

Enter your activity

Add

Maths-GIA

✓

✗

✗

L and T Project

✓

✗

✗

Track Your Goals with Friends

← Back to Home

All

Active

Completed

Enter a goal

Assign to friend (optional)

Add Goal

Achievements & Progress

← Back to Home

All

Active

Completed

Add a new achievement

Add

Your Achievements

Progress

© 2025 Achieve Success

12. Conclusion

The StepAhead project demonstrates the design and development of a productivity-oriented website with practical features for daily activity tracking, collaborative goals, and achievement monitoring. By combining HTML, CSS, Bootstrap, JavaScript, and jQuery, the project successfully delivers a responsive, engaging, and user-friendly experience. This mini project provided valuable hands-on experience in UI/UX design and front-end development.

13. References

- W3Schools – HTML, CSS, JavaScript, Bootstrap
- MDN Web Docs – Front-End Development Resources
- jQuery Documentation
- Unsplash & Picsum – Free Stock Images