

# Guided Project: Institute Management App

## Project Based Learning Course Overview

### About the Project:

Welcome to the **Institute Management App**. In this guided project, you will learn to develop a comprehensive application tailored for educational institutions. The application will include functionalities for both admins and educators, facilitating user management, course assignments, and student assessments.

### Prerequisites:

- Basic understanding of HTML, CSS, JavaScript, and ECMAScript
- Familiarity with handling data in Excel format

### What Will You Learn?

- How to create a responsive login page
- Implementing user authentication and role-based access
- Managing user data and interactions through forms
- Uploading and managing educational content
- Conducting assessments and generating progress reports

### Skills You Will Practice:

- Frontend development with HTML, CSS, and JavaScript
- Data management and export to Excel format
- Project management and user experience design

### How to Execute? Your Learning Platform:

- Practice new skills by completing job-related tasks on the Nimbus platform.
- No downloads or installation required; use your Nimbus access to access all tools.
- Practice on your desktop or laptop (mobile devices are not supported).

### Use Nimbus on Bytexl's Platform:

- Learn, practice, and enhance job-relevant skills in just **4 hours**.
- Receive detailed instructions from instructors.
- Gain hands-on experience solving real-world case studies.
- Enhance your confidence with solutions developed on Nimbus using the latest tools and technologies.

### Learn Step-by-Step:

In this guided project, your educator will provide a walk-through to complete your project in **4 hours**.

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## Structure for Educators

### How to Create Use Cases for Students to Practice

#### Instructions:

Welcome to **Institute Management App**. This guided project will take about **4 hours** to complete. Here are the course objectives and structure:

#### Course Objectives:

In this project, we will focus on the following objectives:

- **Objective 1:** Create a user authentication system for admins and educators.
- **Objective 2:** Implement user assignment for educators and manage details (photo, name, subject).
- **Objective 3:** Develop a dashboard for monitoring student progress and assessments.

By the end of this project, you will be able to **build a fully functional Institute Management App**.

You will deploy the project on the Nimbus Platform using **HTML, CSS, JavaScript**, and managing data stored on a server with the ability to export to Excel.

#### Course Structure:

This course is divided into **3 parts**:

1. **Course Overview:** Introductory reading material.
2. **Project Structure:** The hands-on project on **Institute Management App** is divided into the following tasks:
  - **Task 1:** Create a login page with admin access.
  - **Task 2:** Implement user assignment for educators and manage details (photo, name, subject).
  - **Task 3:** Build a search feature for admins to find user and student details.
  - **Task 4:** Develop employee and student dashboards for adding content and assessments.
  - **Task 5:** Create an assessment feature with MCQs and tracking student progress.
  - **Task 6:** Enable data export to Excel format for reporting purposes.

#### Meet Your Educator:

Hi, I am **Juhi Darji**, and I will be your instructor for this course. I am a Tech Educator at Bytexl with extensive experience in web development and project management. I am passionate about helping students learn and grow their technical skills.

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## Welcome to the Guided Project!

### About the Nimbus Platform:

The Nimbus platform provides an intuitive environment for learning and practicing technical skills. It fully supports this project, requiring no additional extensions or installations.

### Earn a Certificate:

After completing the **Institute Management App** hands-on project, you must complete a quiz to assess your knowledge. You will earn a certificate if you score **80% or more**.

### References:

Educators can access the links below or any other resource for sample use cases and a basic understanding of how to create project scenarios:

- [Advanced HTML and JavaScript resources](#)

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## Conclusion

This structured Guided Project will help students learn to create an Institute Management App while enhancing their technical skills. If you need any adjustments or additional information, feel free to ask!