

Phonebook Application Development Report

Course Code : CSE-326

Course Title : Ecommerce and Web Programming Lab

SUBMITTED TO

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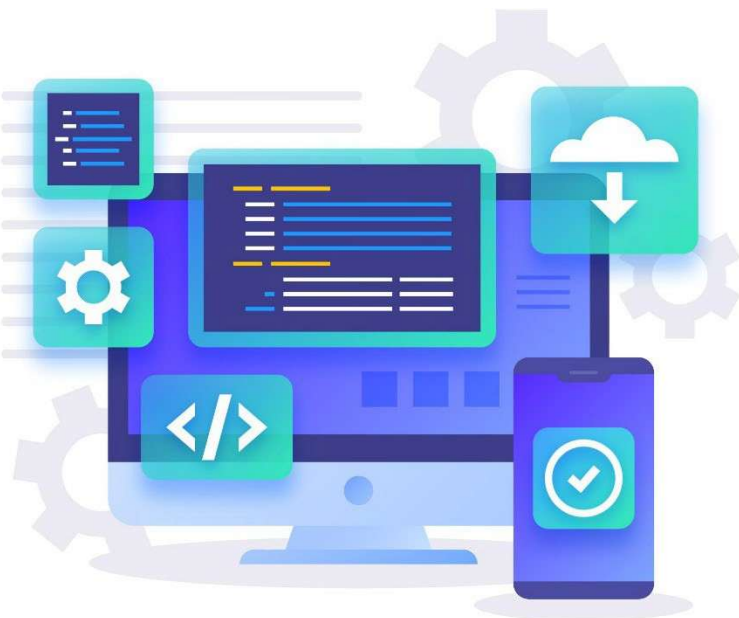
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Section: A

Sem: 6th | Batch: 30th



Introduction: The Phonebook Web Application is a user-friendly platform developed to manage personal contacts efficiently. Built using HTML, CSS, Bootstrap, PHP, and MySQL, this application provides a secure and intuitive interface for users to register, log in, and manage their contacts. Each user's session is securely maintained, ensuring that only the authenticated user can access their personal data.

The core features include:

- **Registration and Login Panel:** Users can create an account and securely log in to the system.
- **Session Management:** User sessions are implemented to maintain security and provide a personalized experience.
- **Home Panel:** Users can view, add, and delete their saved contacts in a structured manner.
- **Contact Management:** Contacts are stored with attributes such as name, mobile number, email, company, and address. Only the logged-in user has access to their saved data.

The project demonstrates practical implementation of key web development concepts such as user authentication, session management, database interactions, and responsive UI design. It serves as a comprehensive learning experience in building secure and functional web applications.

Used Tools: For the development of the Phonebook Web Application, the following tools and technologies were utilized:

Frontend Technologies

1. **HTML:** Used for structuring the web application and defining its elements.
2. **CSS:** Applied for styling and enhancing the visual appearance of the application.
3. **Bootstrap:** Used to create a responsive and consistent UI design with prebuilt components and styles.
4. **JavaScript:** Integrated for client-side scripting to enhance interactivity, including form validation and dynamic content rendering.

Backend Technologies

1. PHP: Used for server-side scripting to handle user authentication, session management, and database interactions.
2. MySQL: Employed as the database management system for storing user accounts and contact information.

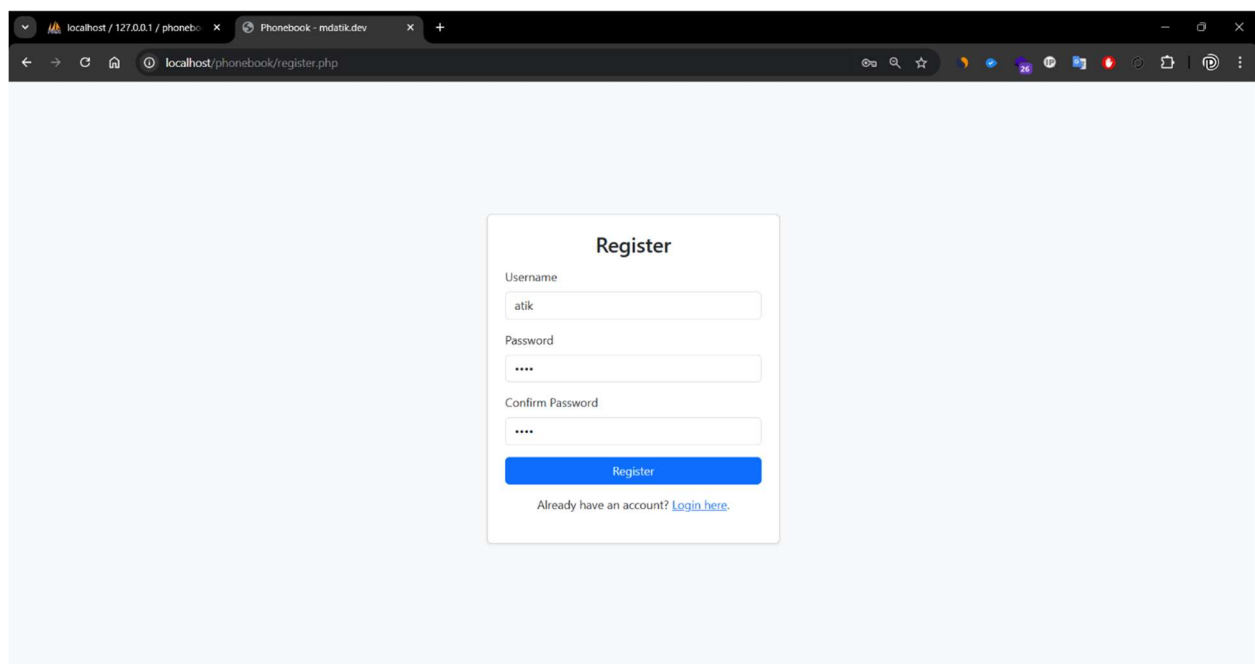
Development Tools

1. VS Code: A versatile code editor used for writing and debugging the project's code.
2. XAMPP: A local web server environment for running PHP and MySQL during the development process.
3. phpMyAdmin: A web-based interface used to manage and interact with the MySQL database.

These tools collectively provided an efficient and robust environment for developing a secure, responsive, and functional web application.

Output Screenshots:

register.php (Register Page)



The screenshot shows a web browser window with the address bar displaying 'localhost/phonebook/register.php'. The page content is a light blue background with a white rectangular form titled 'Register'. Inside the form, there are three input fields: 'Username' with the value 'atik', 'Password' with four asterisks, and 'Confirm Password' with four asterisks. Below these fields is a blue 'Register' button. At the bottom of the form, there is a link that says 'Already have an account? [Login here](#)'.

login.php (Login Page)

Register here.'."/>

login.php (Login Page)

index.php (Home Page)

index.php (Home Page)

ID	Name	Mobile	Email	Company	Address	Actions
15	Md. Atik	01795890259	admin@deprogit.com	Deprogit	Pabapara, Sapura	Edit Delete

index.php (Add Contact)

The screenshot shows a web browser window with the URL `localhost/phonebook/index.php`. A modal titled "Add Contact" is open, containing several input fields for contact information. The background shows a table with columns "ID", "Name", and "Mobile", and a "Logout" button.

Add Contact

Name:

Mobile:

Email:

Company:

Address:

index.php (Edit Contact)

The screenshot shows the same web browser window, but the modal is now titled "Edit Contact". The input fields contain the same data as in the "Add Contact" modal. The background table now has a row with ID 15, Name Md. Atik, and Mobile 01795890259. The "Actions" column for this row contains "Edit" and "Delete" buttons. The "Logout" button is still present.

Edit Contact

Name:

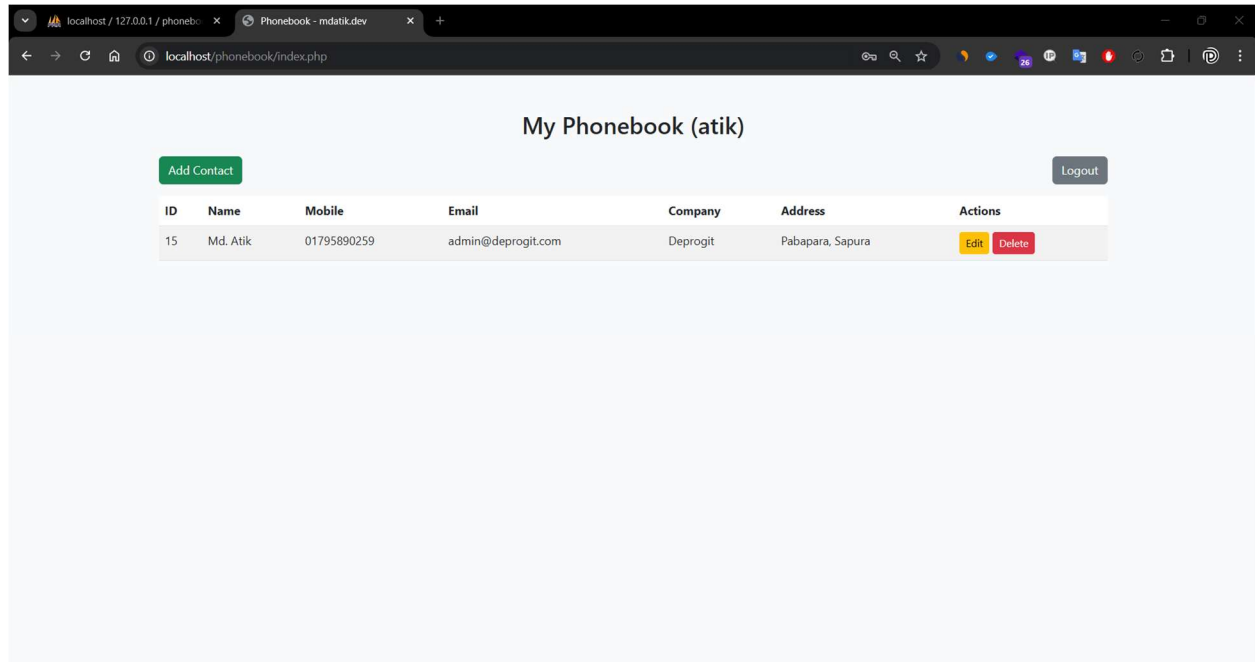
Mobile:

Email:

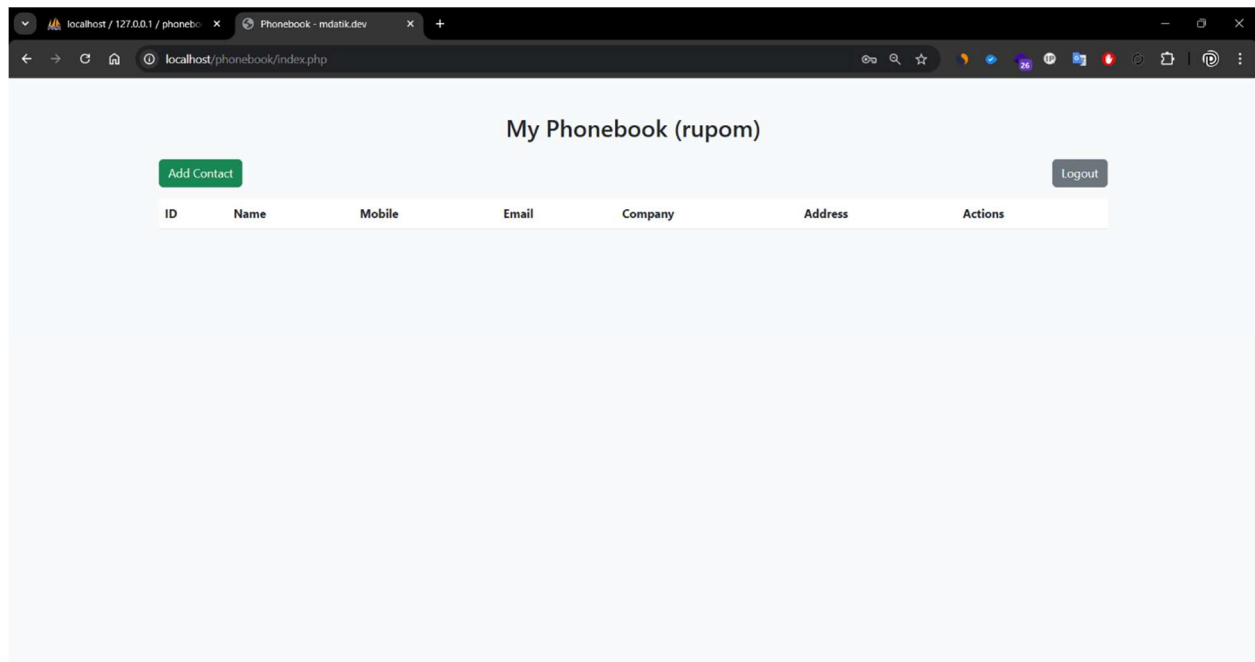
Company:

Address:

index.php (Home page after contact add)



index.php (Home page another user)



Database:

Users table:



A screenshot of the phpMyAdmin interface showing the 'Users' table. The table has three columns: 'id', 'username', and 'password'. There are two rows of data. Each row has a checkbox, an 'Edit' button, a 'Copy' button, and a 'Delete' button. Below the table, there are controls for 'Check all', 'With selected:', 'Edit', 'Copy', 'Delete', and 'Export'.

	id	username	password
<input type="checkbox"/>	11	atik	\$2y\$10\$RTI0kUiRg.hjMC.3FSkCQePNf/Sfewh9C2XffumjZKY...
<input type="checkbox"/>	12	rupom	\$2y\$10\$YsK9RCqO4M2BNXh63O/qDeaJq8zxS5d1tX657VhG/rz...

Contacts table:



A screenshot of the phpMyAdmin interface showing the 'Contacts' table. The table has seven columns: 'id', 'user_id', 'name', 'mobile', 'email', 'company', and 'address'. There is one row of data. Each row has a checkbox, an 'Edit' button, a 'Copy' button, and a 'Delete' button. Below the table, there are controls for 'Check all', 'With selected:', 'Edit', 'Copy', 'Delete', and 'Export'.

	id	user_id	name	mobile	email	company	address
<input type="checkbox"/>	15	11	Md. Atik	01795890259	admin@deprogit.com	Deprogit	Pabapara, Sapura

Conclusion: The development of the Phonebook Web Application has been a valuable learning experience, integrating multiple web development technologies and tools into a cohesive project. By leveraging HTML, CSS, Bootstrap, and JavaScript, a responsive and user-friendly interface was created. PHP and MySQL facilitated robust backend functionality, including secure user authentication, session management, and efficient database operations.

The project successfully meets the requirements, allowing users to register, log in, manage their contacts, and maintain the integrity of their data. The use of tools like VS Code, XAMPP, and phpMyAdmin streamlined the development process and ensured efficient testing and debugging. This project demonstrates a comprehensive understanding of full-stack web development concepts and serves as a solid foundation for building more complex and feature-rich web applications in the future.