



# Restaurant Reservation System Using MERN Stack

Making Online Reservations Easy for Restaurants

# Project Member

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# Small description of the project-



- **Full-stack web application** for restaurant reservations
- Uses modern technologies: **MongoDB, Express, React, and Node.js**
- Allows customers to **book tables online, anytime**
- Helps restaurant staff **organize and manage bookings efficiently**
- Provides **input validation** when users submit reservation forms
- Our app makes it simple for anyone to book a table at a restaurant online, any time they want.

# Limitations of Current Systems

## Manual Process

Everything must be written down by hand or put in a simple file. It's slow, easy to make mistakes, and hard to keep everything organized.

## Easily Lost

Paper sheets or notebooks can be lost, torn, or ruined if something spills on them.

## No Backup

If the book is lost or damaged, all the booking information is gone forever no way to get it back.

## Hard to Track History

It's very tough to look back at old reservations or find out who booked what and when.

# Proposed System Solutions

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## Change or Cancel Online

You can fix, change, or cancel your reservation yourself without calling the restaurant.

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## Send Reminders

The system can send reminders before your booking, so you don't forget your table.

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## Easy To Use

The screens are easy to use, so anyone can book or check a table quickly.  
You get a quick message right away—either a confirmation or a clear note if something needs fixing.

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## Shows Table Availability

You can see which times or tables are open, so you pick what suits you best.

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## Show Map to Restaurant

After booking, users can see a map or get directions to the restaurant easily.

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## No App Needed

You can use the booking system right from your web browser . no download needed.

# Technology Stack

## Frontend

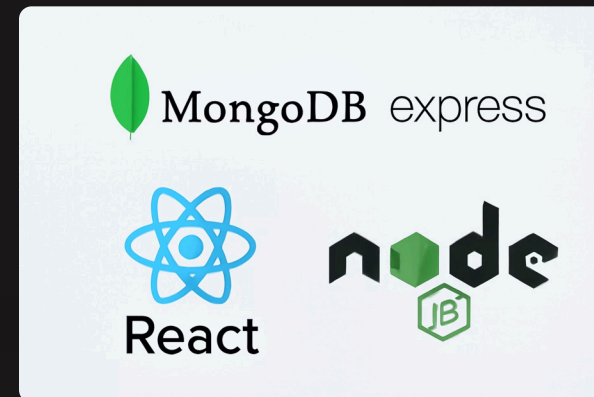
- React.js: For building dynamic and responsive user interfaces.

## Backend

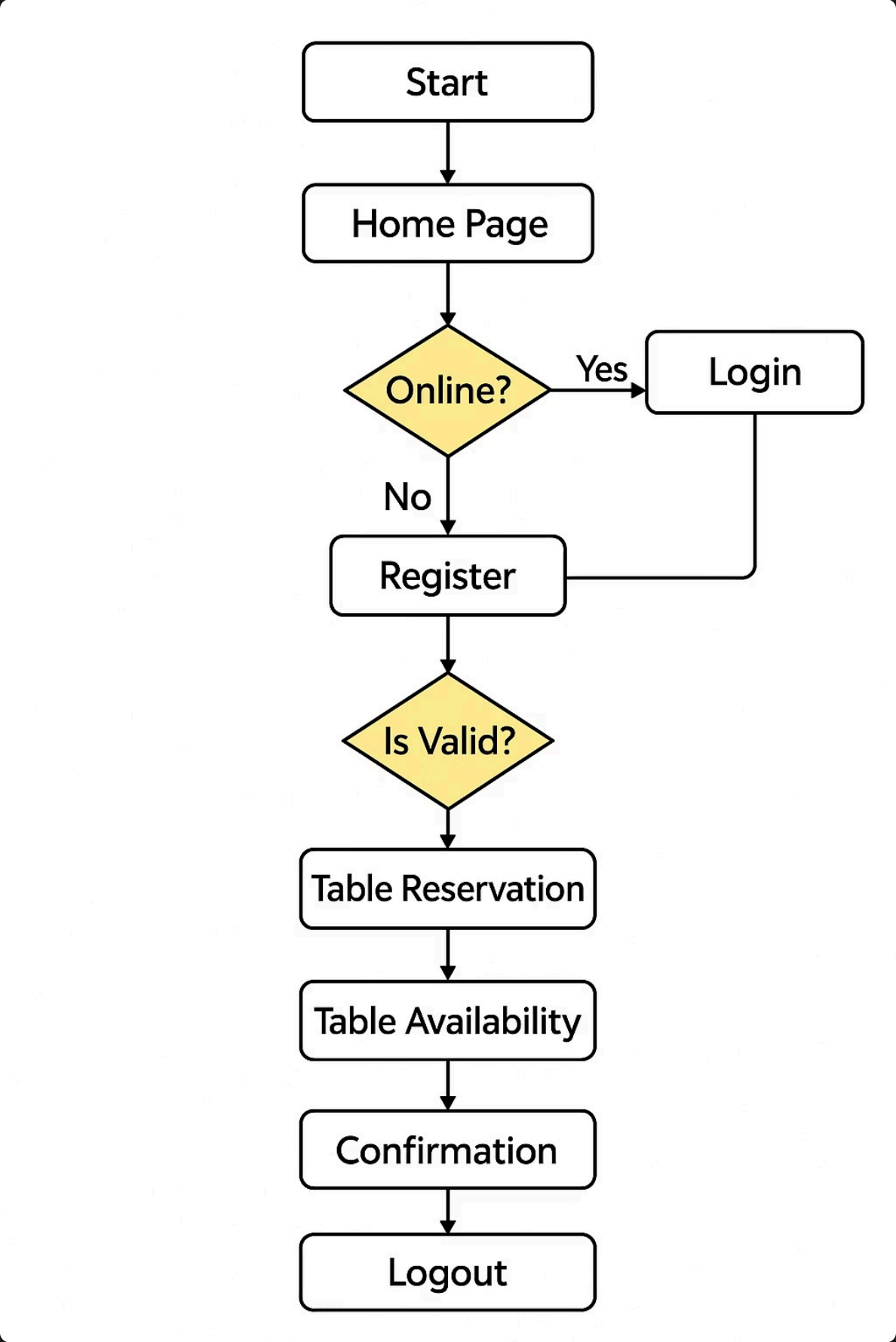
- Node.js: JavaScript runtime for server-side logic.
- Express.js: Web framework for Node.js, managing API routes.

## Database

- MongoDB: NoSQL database for flexible data storage.



# System Flow Diagram







# Thank You!

We appreciate your time and consideration.