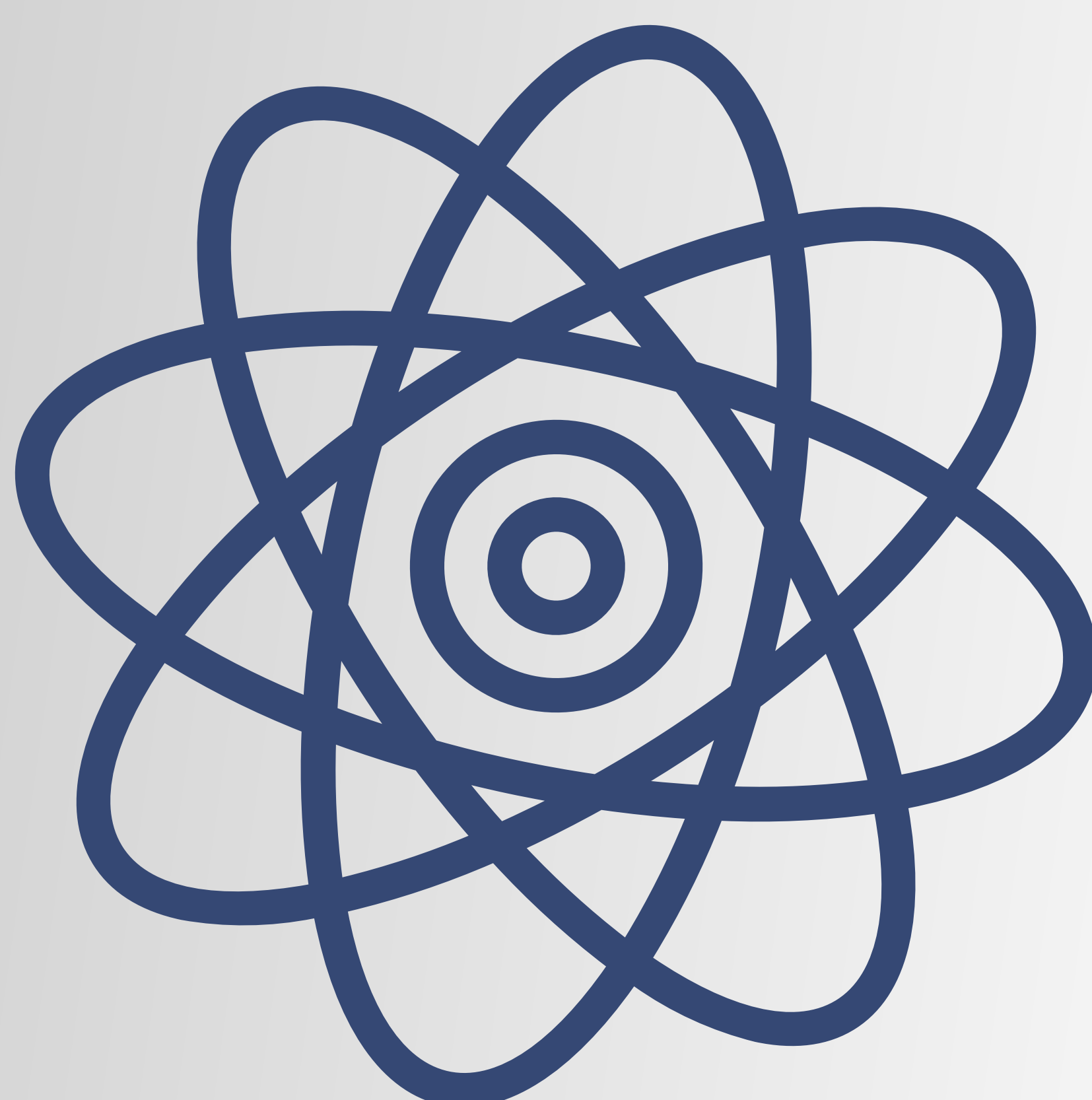


# REACT



## COURSE INTRODUCTION & PROJECT OUTLINE

- Introductory Video
- What is React JS?
- Why use React instead of JavaScript
- Project Introduction
- Roadmap

## REACT SETUP

- Environment Setup
- Creating New Project
- Analyzing Project Structure

## REACT BASICS & COMPONENTS

- Components & Why React is Component-Based?
- JSX
- React Elements and a bit more about JSX
- Building Component
- Styling Components
- Dynamic Data in components
- Passing data using Props
- Complex Components & Splitting
- Assignment1
- Assignment2
- Summary

## STATE AND EVENT HANDLING

- Handling Events in React
- Why are States required?
- useState() Hook
- Form Handling & Multiple States
- Handling form Submission and Two way binding
- Optimizations
- Child to Parent Communication
- Summary

## CONDITIONAL RENDERING

- Rendering of List
- Importance of key attribute
- Conditional Statements & Output

## HANDLING SIDE EFFECTS

- What are side effects & useEffect()
- useEffect() hook in effect
- useEffect() Hook example-2
- Cleanup function

## HTTP CALLS USING AXIOS/FETCH

- Mock Backend Setup
- Making first network Call
- Network call using Axios
- Handling data and states
- Async and Await
- Updating the data

## WORKING ON PROJECT

- Introduction
- Adding Loader
- Loader using React Portals
- Working on Modal
- Adding functionality in Modal
- Updating Cart Value
- Adding Cart Modal
- Functionality in Cart Modal
- Handling Cart Actions
- Checkout Process & States

## REDUX

- What is Redux & Why to use?
- How does it work?
- Redux Demo Application
- Creating Redux Store
- Setting up Reducer logic
- useSelector Hook



- Dispatching Actions using useDispatch Hook
- Refactoring & Optimizations
- using Connect() - an alternative way to access Redux

## MULTI-PAGE SPA WITH REACT ROUTER

- Module Introduction
- What is Routing, how it works & installation
- Basic Routing
- Link and NavLink
- Programmatic Navigation using Hooks
- Dynamic Routes
- Nested Routes and Hooks
- Redirection and Not Found Page
- Query parameters operation
- Adding Query String in Routes Programmatically
- Adding Routes in our Main Project

## ADDING AUTHENTICATION

- What is Authentication?
- How Authentication works and Project Setup
- Workflow and Signup using Firebase Rest API
- Multiple Reducers and Login/Signup Functionality
- Persisting User State
- Protected Routes & Redirection
- Firebase Authentication in Realtime Database and Placing Order
- Logout Implementation

## DEPLOYMENT

- Steps to create production build
- Firebase Hosting
- Amazon s3 hosting
- AWS S3 hosting using AWS Codebuild i.e., CI/CD