WEB DESIGNING
FRONT-END

HTML5

CSS3

JS

B

jQuery

DAY 1-5

Introduction to Web Development

- What is web development?
- Setting up a development environment.
- Basics of HTML and CSS.

DAY 6-10

HTML Fundamentals

- HTML structure and syntax.
- Headings, paragraphs, lists, and links.
- Images, forms, and tables.

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DAY 11-15

Advanced HTML and CSS

- HTML forms and input elements.
- HTML5 semantic elements.
- CSS positioning and layouts (floats, Flexbox, Grid).

DAY 16-20

CSS3 and Responsive Design

- CSS3 features (transitions, transforms, etc.).
- Creating responsive layouts with media queries.
- Mobile-first design principles.

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DAY 21-25

Introduction to Bootstrap

- What is Bootstrap?
- The Bootstrap grid system.
- Bootstrap components (buttons, forms, navigation).

DAY 26-30

Advanced Bootstrap

- Customizing Bootstrap.
- Working with Bootstrap themes.
- Creating responsive web pages with Bootstrap.

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DAY 31-35

Introduction to JavaScript

- What is JavaScript?
- JavaScript syntax and variables.
- Control structures (if, loops).

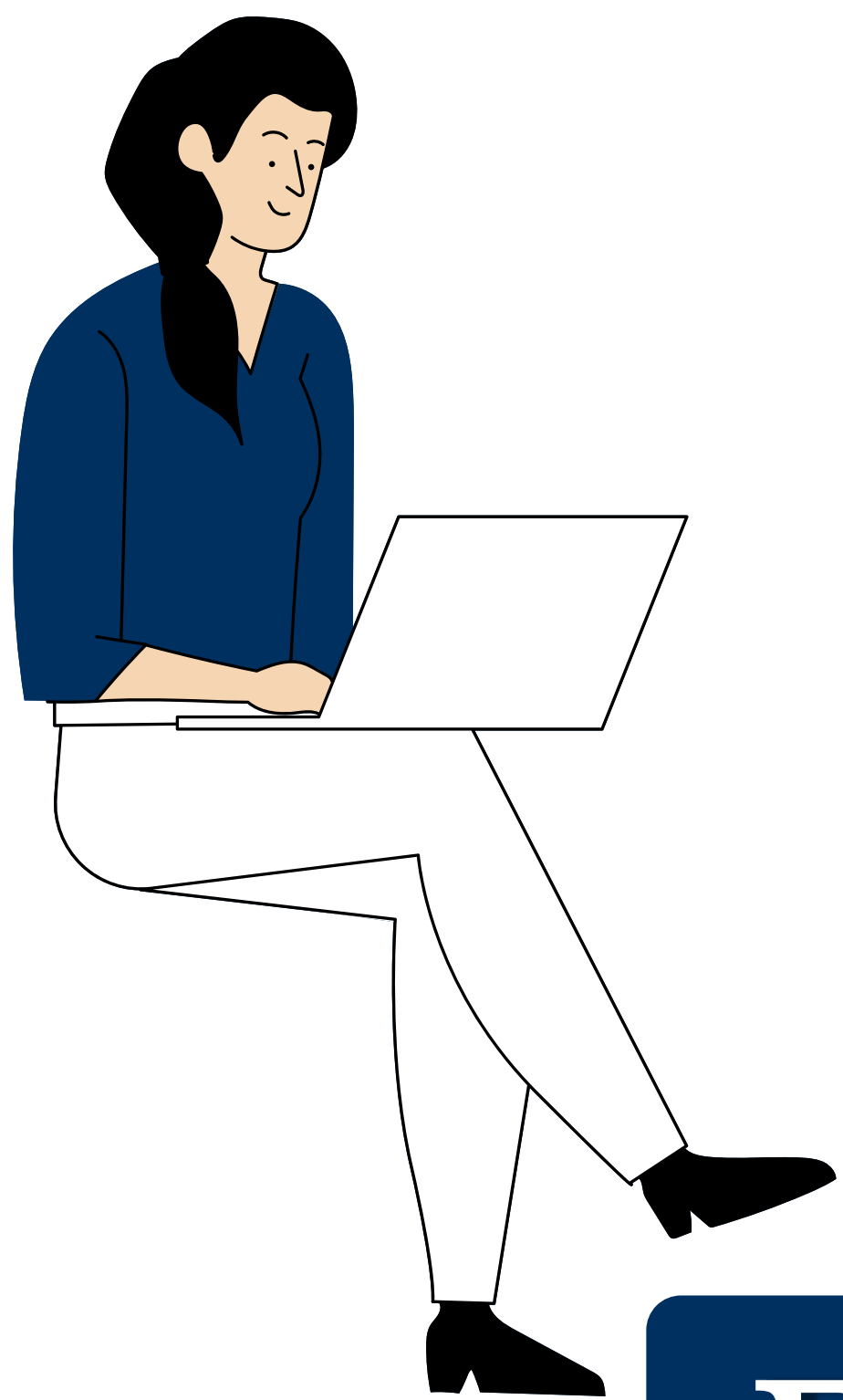# DAY 36-40

Functions and DOM Manipulation

- Functions and scope.
- Working with the Document Object Model (DOM).
- Manipulating DOM elements.

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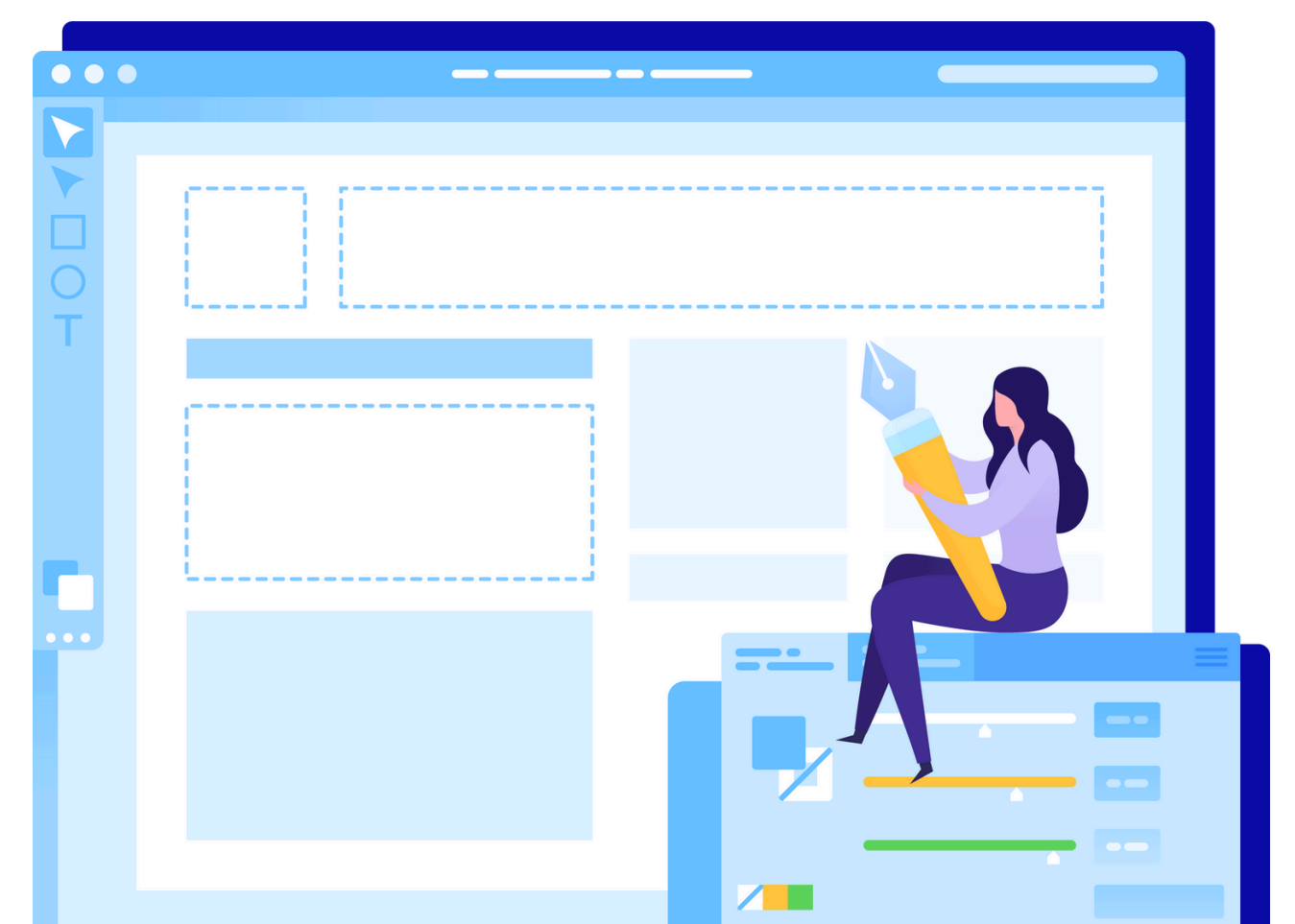
DAY 41-45

Objects and Arrays

- Working with objects and arrays.
- Array methods and iteration.
- Object-oriented programming concepts.

DAY 46-50

Events and Event Handling

- Adding event listeners.
- Event objects and propagation.
- Practical examples of event handling.

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DAY 51-55

Asynchronous JavaScript

- AJAX and Fetch API.
- Promises and async/await.
- Handling data from external sources.

DAY 56-60

Introduction to jQuery

- Introduction to jQuery.
- DOM manipulation with jQuery.
- Event handling and animations with jQuery.

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DAY 61-65

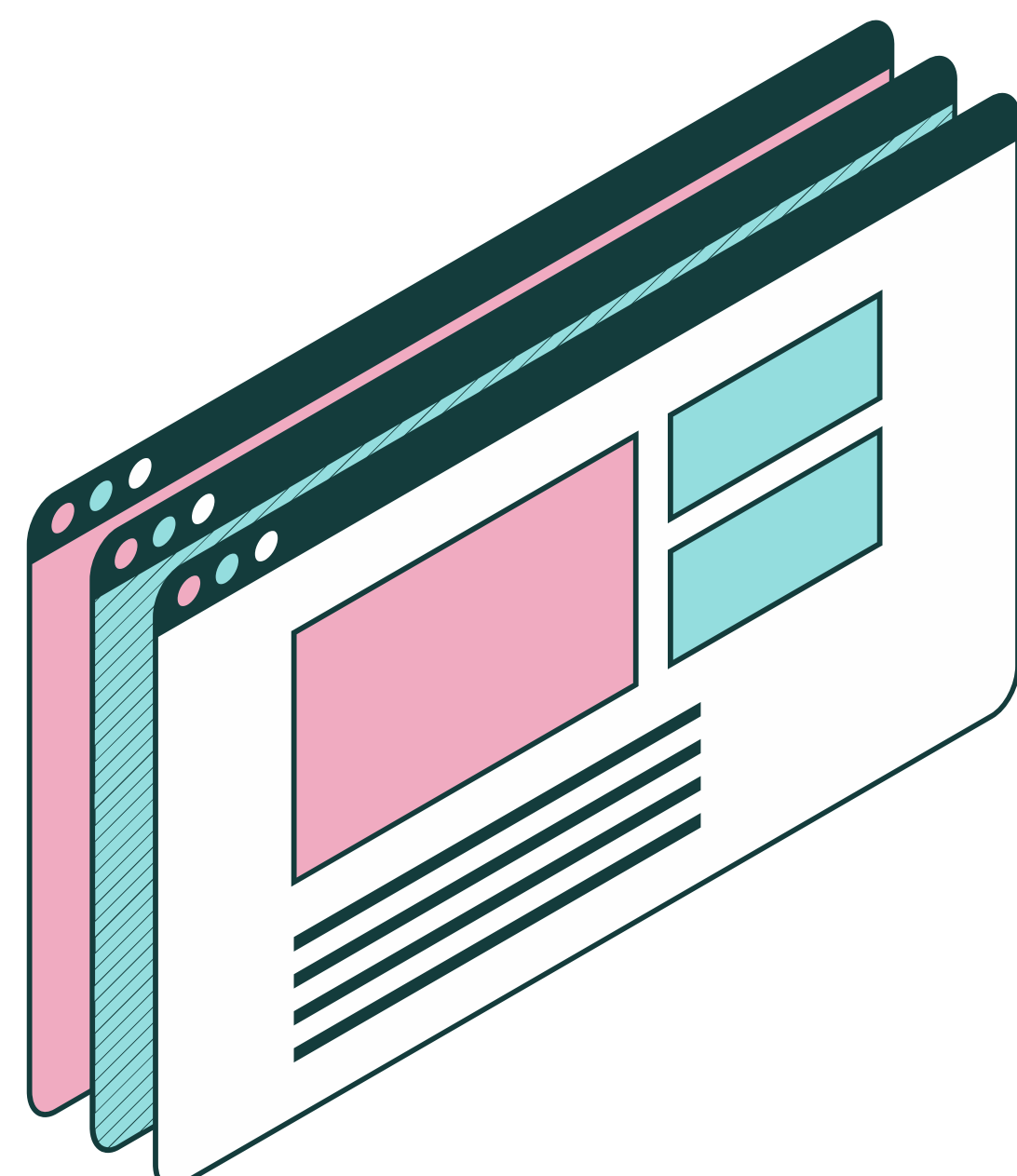## Form Validation and Dynamic Content

- Form validation with JavaScript.
- Creating dynamic content.
- Building interactive forms.

DAY 66-70

jQuery UI and Advanced Interactivity

- Introduction to jQuery UI.
- Creating custom UI components.
- Implementing interactivity with jQuery.

DAY 71-75

Web Performance Optimization

- Minification and bundling.
- Lazy loading and image optimization.
- Debugging techniques.

DAY 76-80

Building Real-World Projects

- Developing practical projects.
- Integrating JavaScript and jQuery.
- Application of front-end concepts.

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DAY 81-85

Single Page Applications (SPA) and API Integration

- Creating SPAs with JavaScript and jQuery.
- Routing and navigation in SPAs.
- Integrating external APIs for dynamic content.

DAY 86-90

Testing and Debugging

- Testing methodologies.
- Debugging tools and practices.
- Cross-browser compatibility testing.

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DAY 91-95

Version Control and Deployment

- Introduction to Git and version control.
- Deploying web applications.
- Hosting options and domain management.

DAY 96-100

Testing and Debugging

- Work on individual or group capstone projects.
- Apply all the skills learned throughout the course.

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DAY 101-105

Course Review and Advanced Topics

- Recap of the entire course.
- Exploring advanced front-end topics.
- Q&A, career guidance, and further resources.

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jQuery