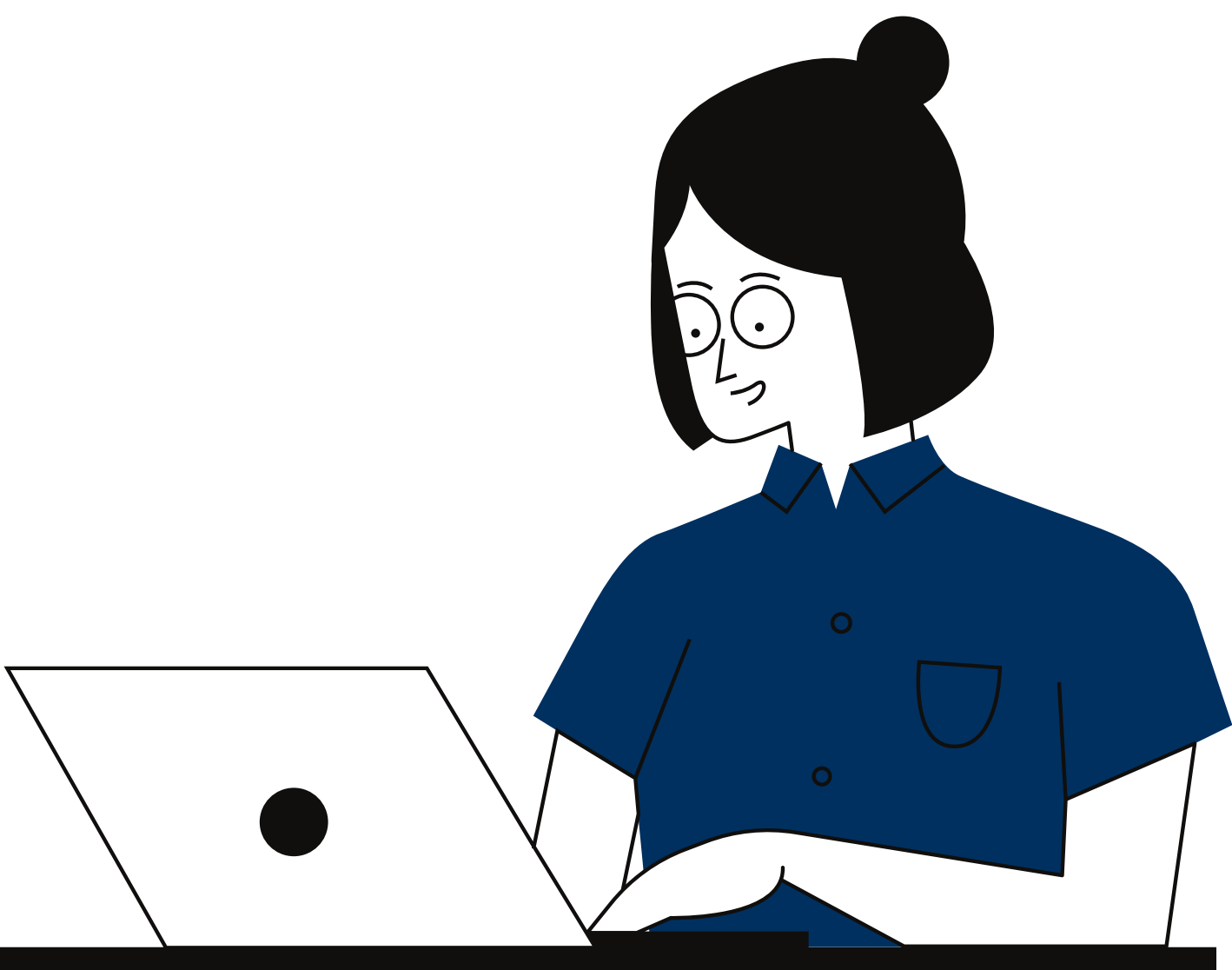jQuery

jQuery

DAY 01

Introduction to jQuery

- What is jQuery?
- Advantages of using jQuery.
- Including jQuery in your project.

DAY 02

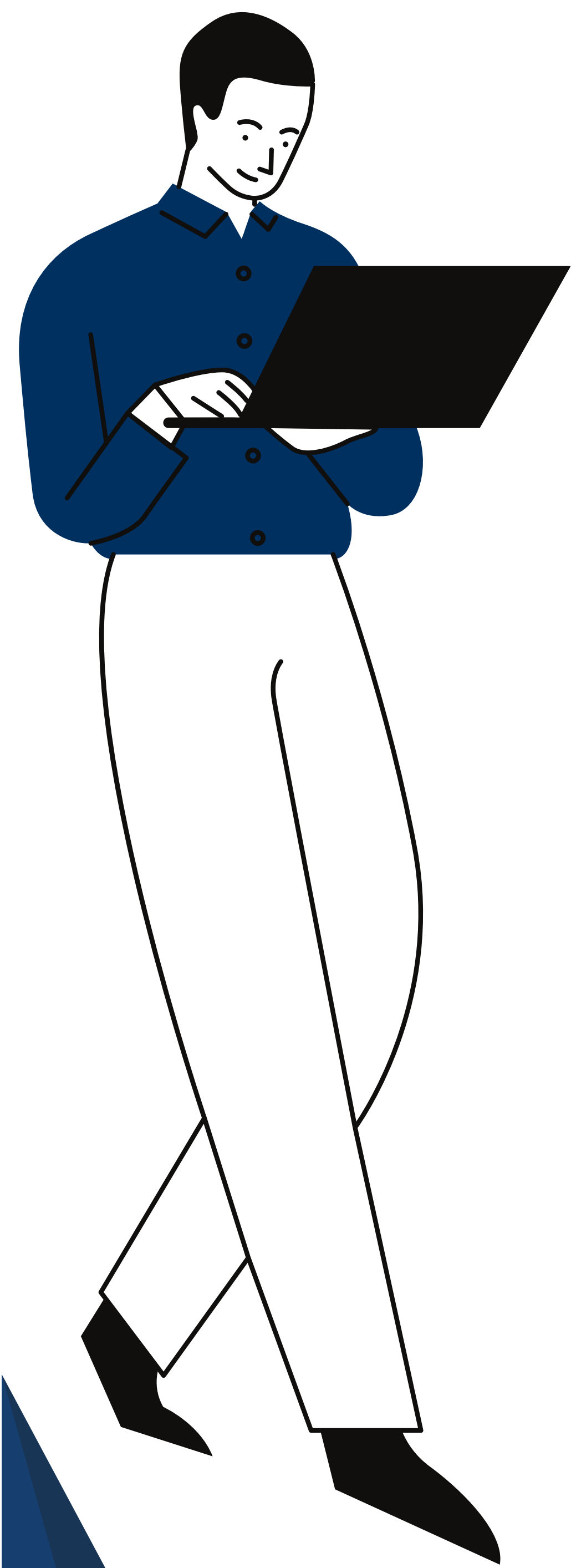## Selectors and DOM Manipulation

- Basic selectors (element, ID, class).
- DOM traversal and manipulation.
- Handling and modifying content.

jQuery

For more info contact:
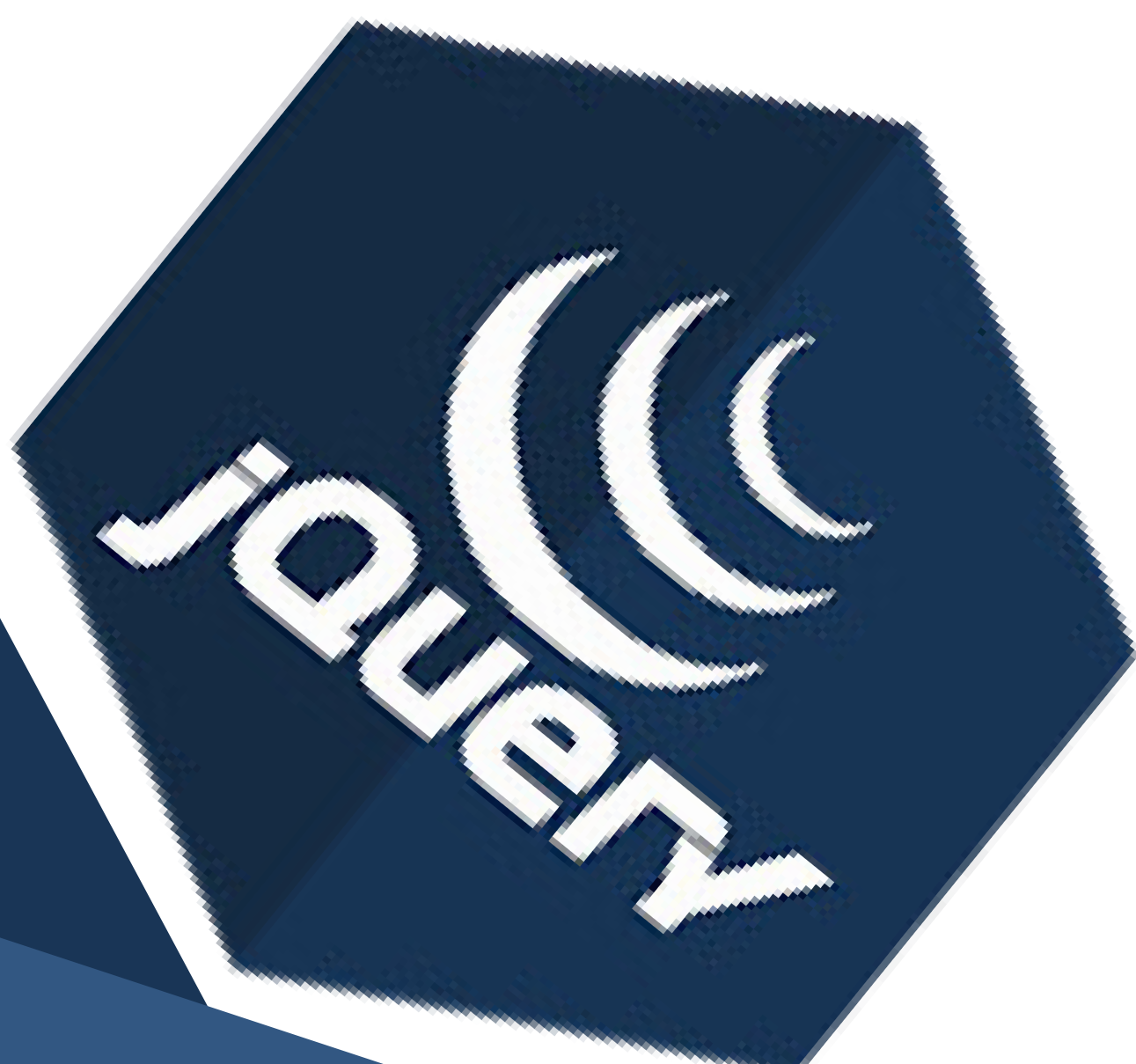**+91 770 7000 651**

DAY03

Events and Event Handling

- Binding and unbinding events.
- Event delegation.
- Common DOM events (click, hover, etc.).

DAY 04

Effects and Animations

- Show, hide, and toggle.
- Fading and sliding animations.
- Custom animations with jQuery.

jQuery

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DAY 05

Forms and Form Validation

- Form manipulation with jQuery.
- Form validation and error handling.
- Working with input elements.

DAY 06

AJAX and JSON

- Asynchronous requests with jQuery.
- Loading data from a server.
- Handling JSON data.

jQuery

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DAY 07

Plugins and Widgets

- Introduction to jQuery plugins.
- Using and customizing popular jQuery plugins.
- Building your own jQuery plugin.
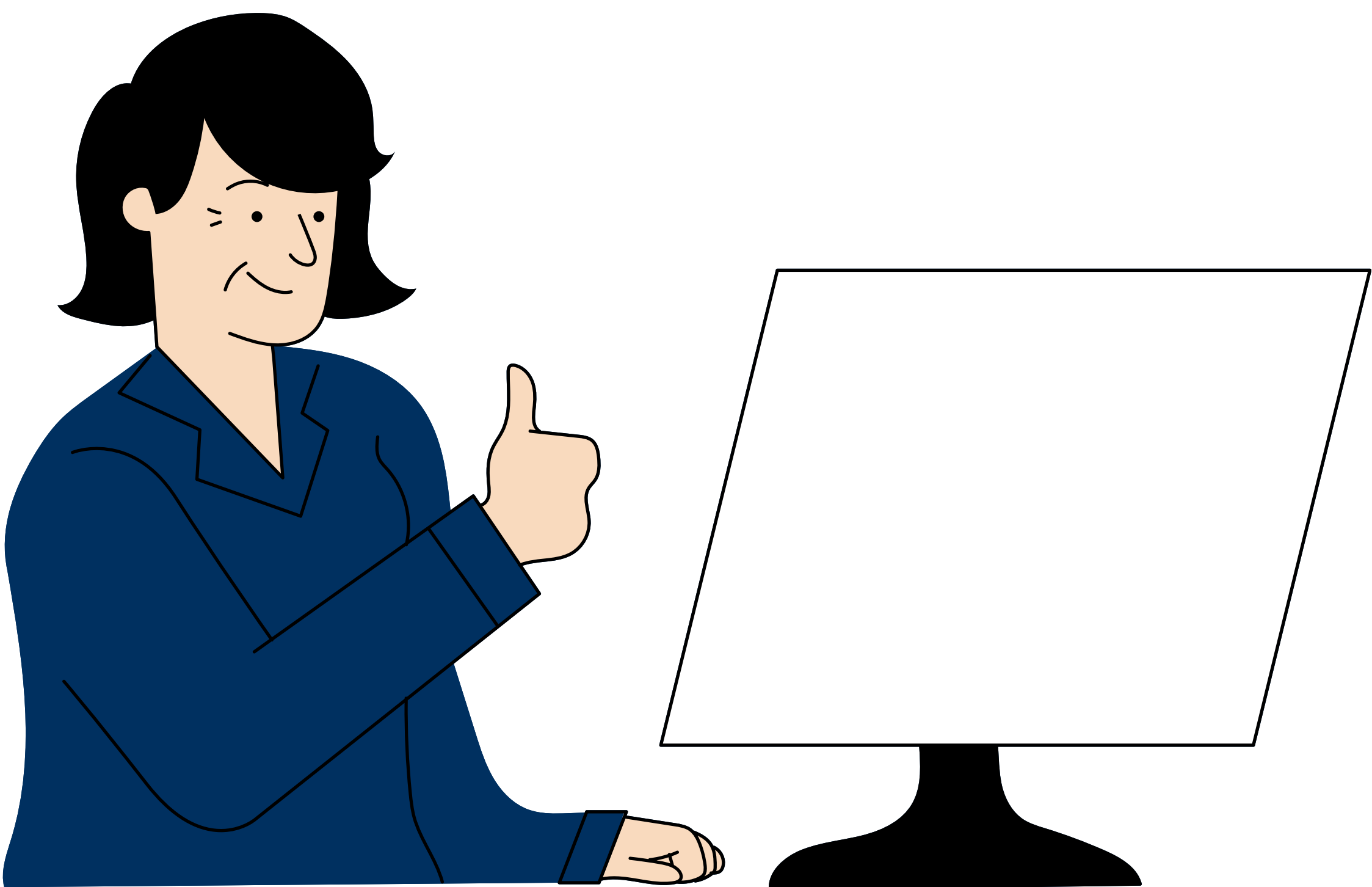
DAY 08

Deferred Objects and Promises

- Understanding deferred objects.
- Working with promises in jQuery.
- Managing asynchronous tasks.

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DAY 09

Advanced DOM Manipulation

- Advanced DOM traversal methods.
- Adding and removing elements.
- Cloning and replacing elements.

DAY 10

jQuery UI

- Introduction to jQuery UI.
- Working with UI widgets (e.g., datepicker, slider).
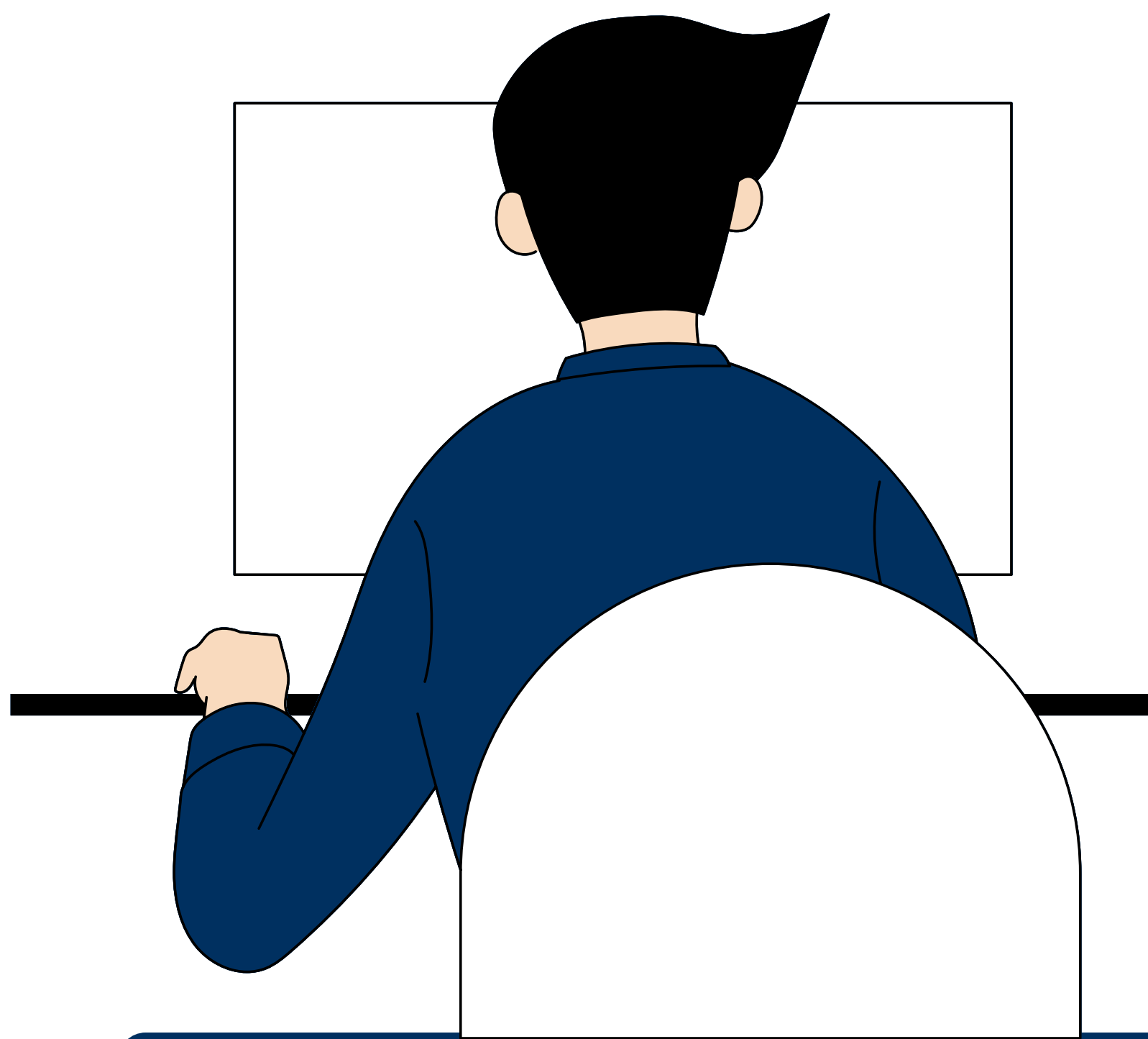- Customizing UI components.

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DAY 11

Handling Multimedia

- Embedding and controlling audio and video.
- Creating image galleries.
- Lightboxes and media playback.
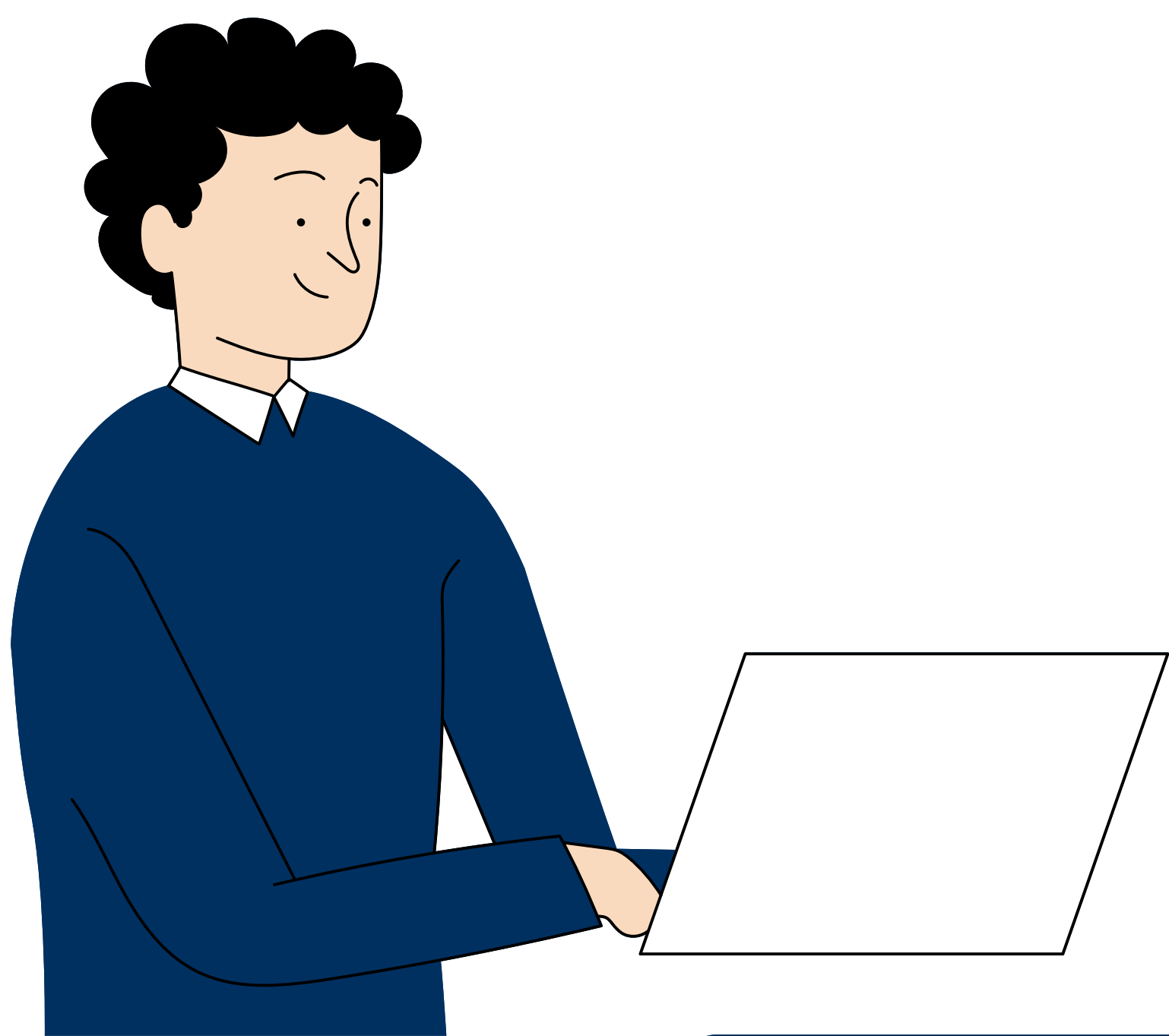
DAY 12

Responsive Web Design with jQuery

- Adapting to different screen sizes.
- Implementing mobile navigation menus.
- Building responsive carousels.

jQuery

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DAY 13

Single Page Applications (SPAs)

- Creating SPAs with jQuery.
- Managing client-side routing.
- Utilizing AJAX for dynamic content.

DAY 14

Optimizing jQuery Code

- Best practices for jQuery development.
- Code optimization and performance.
- Reducing code redundancy.

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DAY 15

Debugging and Troubleshooting

- Using browser developer tools for debugging.
- Common jQuery debugging techniques.
- Error handling and diagnostics.

DAY 16

Building a Project

- Applying jQuery knowledge to a real project.
- Creating a dynamic web application.

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DAY 17

Integrating with Other Libraries

- Combining jQuery with other libraries.
- Integrating jQuery into existing projects.
- jQuery and the use of modern front-end frameworks.

DAY 18

Accessibility and SEO with jQuery

- Ensuring accessibility with jQuery.
- Optimizing jQuery-powered pages for search engines.
- Implementing SEO best practices.

jQuery

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DAY 19

Security Considerations

- Dealing with potential security risks.
- Securing your jQuery code.
- Sanitizing user inputs.

DAY 20

Final Project and Recap

- Completing and presenting your project.
- Recap of the course content.
- Q&A and further resources.

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