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Visiting A Website Is Like Calling A Friend

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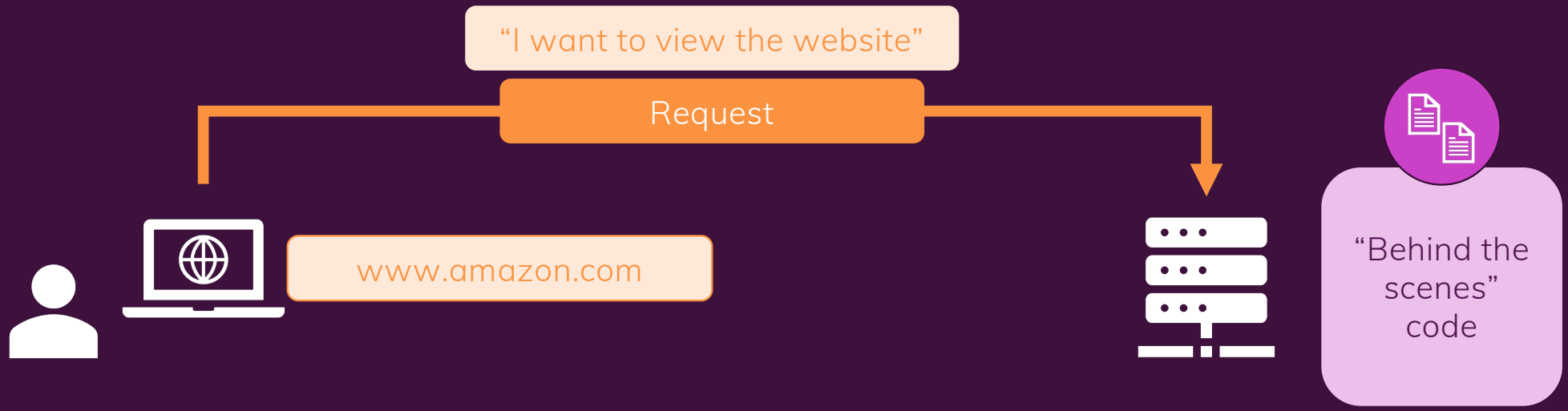
How The Web Works



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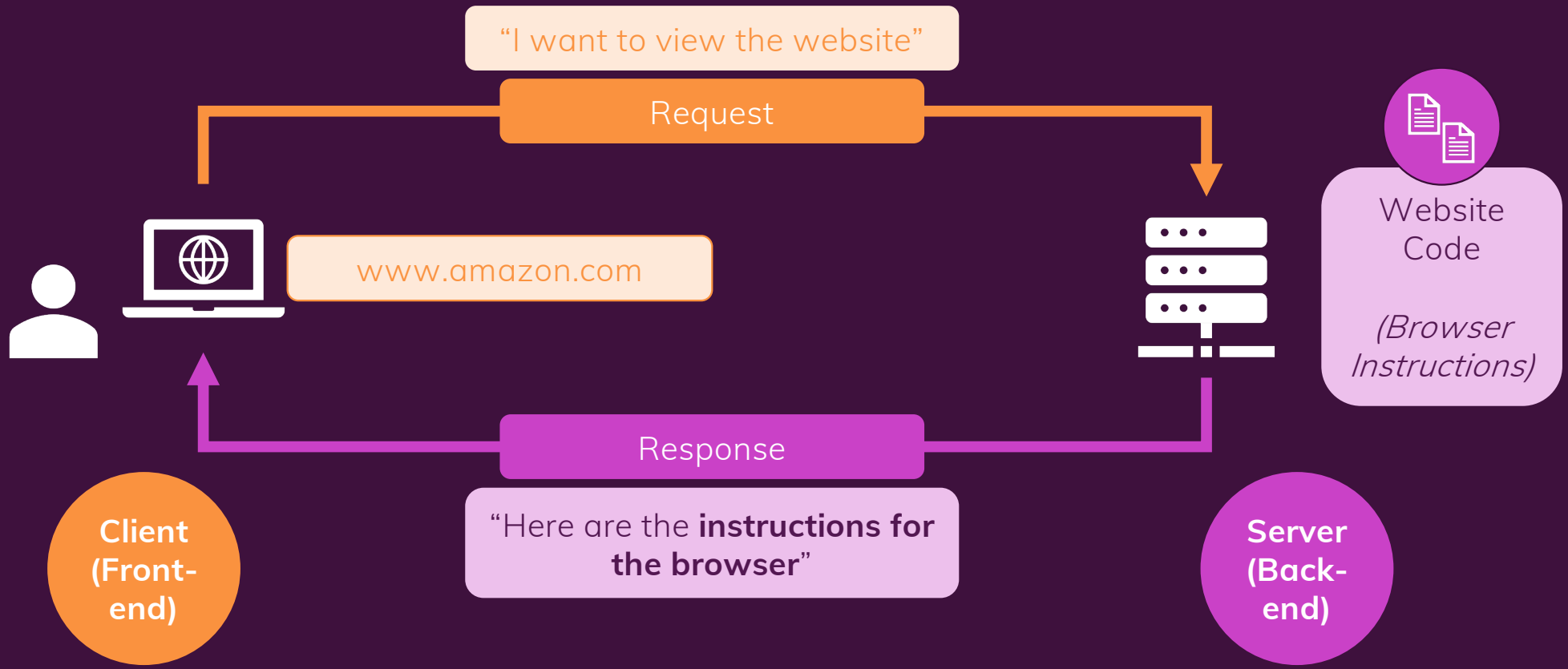

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What are these “Browser Instructions”?

Instructions that tell the browser what should be displayed on the screen

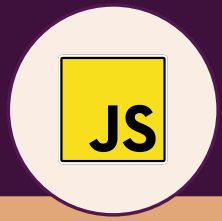
HTML

The content and structure of the displayed page

CSS

The styling of the displayed page and its content

Optional



JavaScript

Interactivity that might be needed on the displayed page

Optional

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Hypertext Markup Language

```
<section>
  <h2>Recommended Products</h2>
  <ul>
    <li>Harry Potter 1</li>
    <li>Harry Potter 2</li>
  </ul>
</section>
```

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Cascading Style Sheets

```css
h2 {
  font-size: 20px;
  color: purple;
  border-bottom: 2px solid purple;
}
```

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JavaScript adds interactivity

```
const mainNav = document.getElementById('main-nav');
const cartButton = mainNav.querySelector('button');

cartButton.addEventListener('click', openCartOverlay);
```

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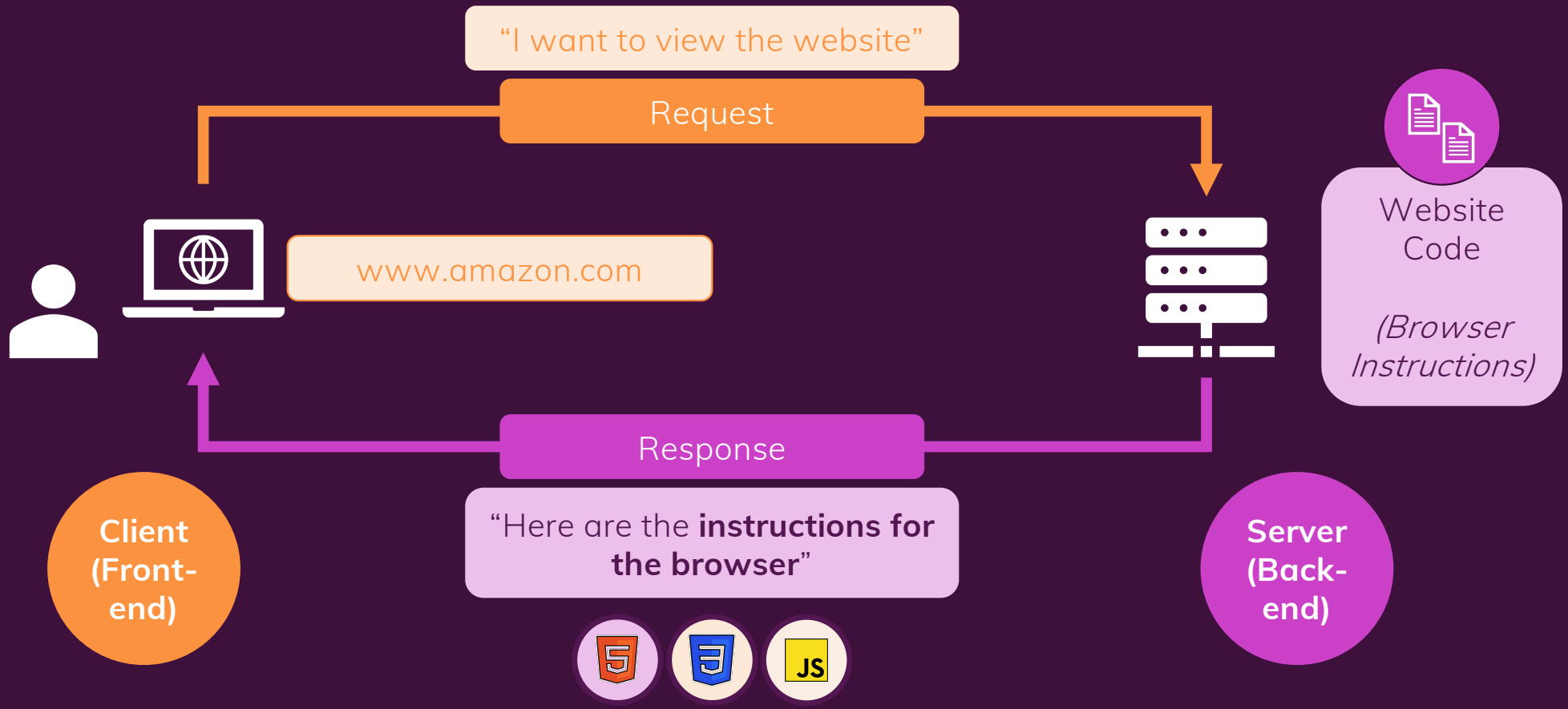
How The Web Works



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URL (Uniform Resource Locator)

https://www.amazon.com

The address of a website or a specific page of a website

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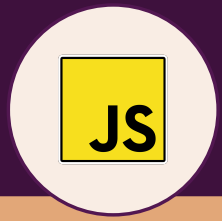

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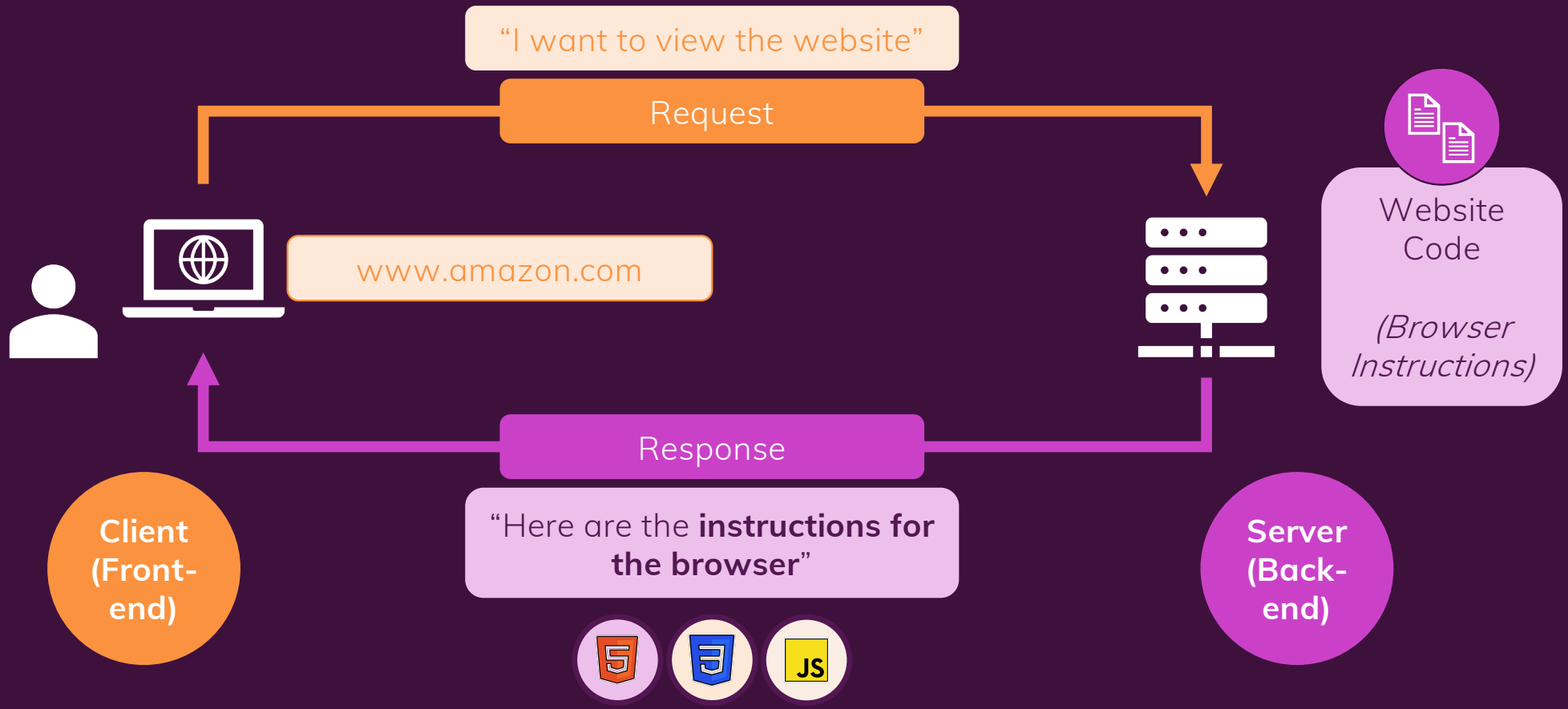

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URL (Uniform Resource Locator)

https://academind.com/tutorials

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https://academind.com/tutorials

Hypertext transfer protocol (secure)

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https://academind.com/tutorials

Domain

↓

The human-readable address
("identifier") of a website

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https://academind.com/tutorials

Path

A “pointer” (on a given website) to a specific resource

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HTTPS: Hypertext Transfer Protocol Secure

The “language” client and server speak

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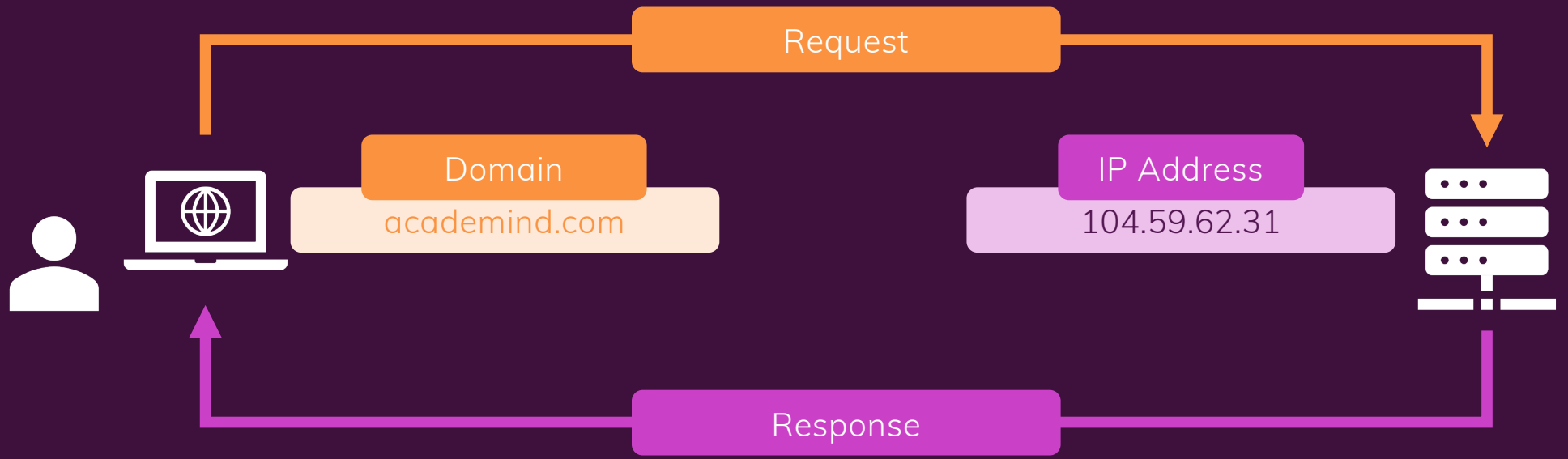
The Complete Picture



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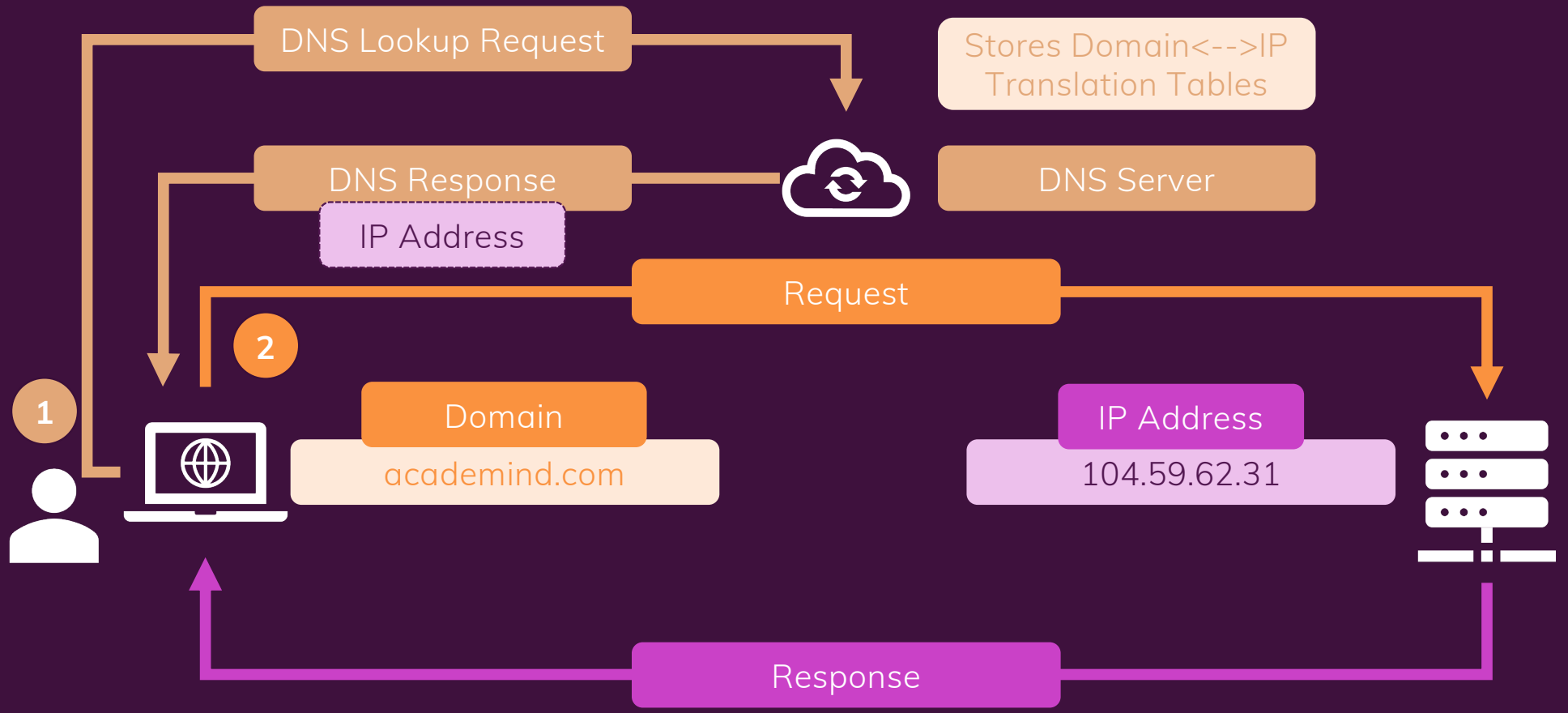
The Complete Picture



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IP: Internet Protocol / IP Address

A unique identifier ("address") of a web server

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IP: Internet Protocol / IP Address

A unique identifier ("address") of network devices