**📄 HTML Structure Overview**

1. **<!DOCTYPE html> to <body>:**
   * Sets up a standard HTML5 document with metadata and links to internal CSS and JavaScript.
   * Uses a dark theme with green highlights to mimic the *Ben 10* aesthetic.
2. **Key Elements in the <body>:**
   * .night: Decorative animated background using gradients for a sci-fi night effect.
   * h1: Title "OMNITRIX" with glowing lime green text.
   * .container: Main area holding the Omnitrix and alien icons.
   * .omnitrix: A central clickable button styled like the Omnitrix.
   * .alien: 10 alien icons positioned around the Omnitrix in a circular formation.
   * .alien-details-container: Hidden pop-up/modal to show alien/Omnitrix info.
   * .ben10-info-box: Side box giving info about the Ben 10 show.

**🎨 CSS (Styling Highlights)**

* Uses custom properties (e.g., --dark-color) for theming.
* Glowing effects (box-shadow, text-shadow) reinforce the alien-tech look.
* .night background uses multiple radial-gradient and repeating-linear-gradient layers for a trippy night sky.
* .container is a flexbox with centered content; .alien elements are absolutely positioned.
* .omnitrix and .alien buttons have hover effects (scale transform).
* .alien-details-container is initially hidden and styled as a modal.

### ****JavaScript (Interactive Behavior)****

#### ****1. Data Setup****

js

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const aliens = [...]; // Image filenames for the 10 aliens

const alienDetails = [...]; // Name & description for each alien

const omnitrixDetails = {...}; // Omnitrix info

#### ****2. Positioning the Aliens in a Circle****

js

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function positionAliens() {

// Calculates x, y based on circle geometry

}

* Uses basic trigonometry to position 10 alien icons evenly spaced in a circle around the center.

#### ****3. Animating the Circle Rotation****

js

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function rotateAliens() {

// Continuously rotates the aliens in a circle

}

* Every 30ms, updates each alien’s position slightly to simulate rotation around the Omnitrix.

#### ****4. Showing Omnitrix Details****

js

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function showOmnitrixDetails() { ... }

* Displays a pop-up with the Omnitrix image, name, and description.

#### ****5. Showing Alien Details****

js

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function showAlienDetails(index) { ... }

* Similar to the Omnitrix function but shows info for a selected alien.

#### ****6. Closing the Details Pop-up****

js

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function closeAlienDetails() { ... }

* Hides the modal.

#### ****7. Initialize on Load****

js

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positionAliens();

rotateAliens();

* Sets initial positions and starts rotation as soon as the page loads.

