

# Session 11 — Extending Your Game

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## Choose Your Adventure

You’ve built a complete trivia game and deployed it to the internet — now it’s time to make it uniquely yours! Ready to add your personal touch and practice new skills? Let’s go!

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## Access Your Codespace

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Visit [github.com/codespaces](https://github.com/codespaces) to relaunch your Codespace from Session 10.

## Choose Your Own Adventure

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You’ve reached a major milestone — your game is live! Now it’s time to level up by choosing your own path. This session introduces self-directed learning, where you decide what to build next using AI assistance and your growing developer skills.

Choose **up to 4 extensions** to implement — we recommend 2 Starter + 1 Power + 1 Beast, but feel free to mix and match based on your interests.

Use the [GitHub Copilot Workflow](#) to get AI help with implementation, and the [Git Workflow](#) to save and deploy your changes.

## Starter Mods: Fast Wins

Extension	Description	What You’ll Practice
Custom Fonts	Replace existing fonts with your choices for game logo, zone labels, and UI elements	Importing Google Fonts, updating component styling, creating visual consistency

<b>Character Swap</b>	Replace character-1.png with character-2, 3, 4, or 5 from available sprites	Working with image assets, updating component references, testing visual changes
<b>Game Instructions Modal</b>	Create instructions modal explaining game rules and scoring	Building reusable components, showing/hiding content, creating user-friendly interfaces

## Power Mods: Build Skills

Extension	Description	What You'll Practice
<b>Visual Progress Indicator</b>	Replace "Question X of Y" text with colored dots showing progress	Managing component state, transforming arrays into visual elements, styling based on user actions
<b>Color &amp; Font System</b>	Convert hardcoded colors/fonts in main.css to reusable CSS variables	Organizing stylesheets, creating reusable design tokens, making code easier to maintain
<b>Interactive Sound Effects</b>	Add audio feedback for quiz interactions using existing useAudio pattern	Using custom hooks, working with browser audio, triggering sounds on user interactions

## Beast Mods: Go Big

Extension	Description	What You'll Practice
<b>Character Selection Screen</b>	Add character selection screen before entering game map	Building new screens, managing game-wide state, composing complex interfaces

<b>Animated Character Movement</b>	Animate character sprite moving between zone positions when completed	Creating smooth animations, coordinating with game state, providing visual feedback
<b>Dark/Light Mode Toggle</b>	Add dark/light mode toggle affecting colors throughout game	Building theme systems, persisting user preferences, creating toggleable interfaces

## GitHub Copilot Workflow

Use this workflow from Session 9 for each extension:

### How to Use Copilot Chat Effectively

1. Use a Copilot chat command like `/fix`, `/explain`, or `/test`
2. Write a clear, focused prompt describing what you want
3. Review the suggestion Copilot generates
4. Apply the change if it meets your needs
5. Test the update to confirm it works

### Example Prompt

```
/fix Help me replace fonts in my React trivia game. I want "Orbitron" for the game logo title, "Roboto" for zone map labels, and "Inter" for UI elements. Update fonts.css imports and all fontFamily references.
```

### Good Prompts Include:

- **Context:** "In my React trivia game..."
- **Specific goal:** "Add a progress indicator that shows..."
- **Constraints:** "Using existing CSS classes and..."
- **Expected behavior:** "When a question is answered correctly..."

## Git Workflow

Every time you finish an extension, use this Git workflow to save and deploy your changes:

# The Essential Commands

```
# 1. Stage your changes (prepare them for committing)
git add .

# 2. Commit your changes (create a permanent snapshot)
git commit -m "feat(extension): add custom fonts to game logo"

# 3. Push your changes (share with the world and trigger deployment)
git push
```

## Commit Message Examples

Extension Type	Example Message
Custom Fonts	feat(typography): update Google Fonts for game logo
Character Swap	feat(character): replace default sprite with archer
Visual Progress Indicator	feat(quiz): add visual progress indicator with dots
Interactive Sound Effects	feat(audio): add feedback sounds for answers
Character Selection Screen	feat(character): add character selection screen
Animated Character Movement	feat(animation): animate character movement between zones
Dark/Light Mode Toggle	feat(theme): implement dark/light theme system

Your live game will automatically update each time you push changes thanks to the CI/CD pipeline you set up in Session 10.