

Session 11 Instructor Guide: Choose Your Adventure

Learning Outcomes

By the end of Session 11, students will be able to:

1. **Demonstrate self-directed learning** by selecting project extensions based on personal interests and skill level
2. **Use AI coding assistants effectively** through prompt engineering and iterative refinement
3. **Combine everything they've learned** by using React concepts, JavaScript patterns, and development workflows together
4. **Balance automation with personal agency** by maintaining decision-making control while leveraging AI suggestions
5. **Extend existing codebases** while maintaining code quality, consistency, and established patterns

Instruction

Instructor introduces key concepts students need to succeed:

1. **Self-Directed Learning Transition** - Today students drive their own learning by selecting features and using AI assistance
2. **Choose Your Own Adventure Overview** - Present categorized options with clear difficulty progression
3. **AI Collaboration Approach** - Emphasize using GitHub Copilot effectively while maintaining personal agency
4. **Let's Extend Your Game!** - Launch the hands-on mission for independent feature implementation

Slide Deck Outline

Slide 1: Choose Your Adventure

- **Title:** "Session 11: Choose Your Adventure — Extending Your Game"
- **Session 10 Recap:** "Last time: You published your complete trivia game using version control and automated deployment"

- **Hook:** “Your game is live — now make it legendary!”
- **Today's Mission:** Self-directed learning with AI assistance to implement personally chosen features
- **Visual:** Adventure map with multiple paths representing different extension options

Slide 2: Choose Your Own Adventure

- **Teaching Focus:** Feature selection strategy and complexity evaluation
- **Extension Categories:**
 - **Starter Mods (Fast Wins):** Custom fonts, character swap, game instructions modal
 - **Power Mods (Build Skills):** Visual progress indicator, color & font system, interactive sound effects
 - **Beast Mods (Go Big):** Character selection screen, animated character movement, dark/light mode toggle
- **Selection Strategy:** Recommended: 2 Starter + 1 Power + 1 Beast
- **Student Choice:** “Pick 4 extensions that excite you most”

Slide 3: Your Development Mission

- **Today's Coding Challenge:**
 1. **Select 4 extensions** from the provided menu
 2. **Use AI assistance** effectively with GitHub Copilot
 3. **Implement features** while maintaining code quality
 4. **Test and deploy** updates to your live game
 5. **Document progress** with meaningful Git commits
- **Success Criteria:**
 - 4 working extensions integrated into your game
 - Live deployment with all features functional
 - Clean, maintainable code following established patterns
- **Achievement:** “Your game will be uniquely yours with custom features!”

[HANDS-ON WORK HAPPENS HERE]

Slide 4: What's Next - Project Showcase & Next Steps 🎉

- **Title:** "Preview of Session 12"
- **Today's Achievement:** "You extended your game with personally chosen features using self-directed learning and AI assistance"
- **Next Challenge:** "Present your creation and plan your continued learning journey"
- **Concepts Coming:**
 - **Project presentation** - showcasing your unique game features
 - **Technical discussion** - explaining implementation decisions
 - **Peer feedback** - learning from others' creative solutions
 - **Learning reflection** - understanding your growth throughout the course
- **Motivation:** "Time to celebrate your achievement and inspire others with your creativity!"