

#### Team:

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### KEY FEATURES OF GITHUB COPILOT

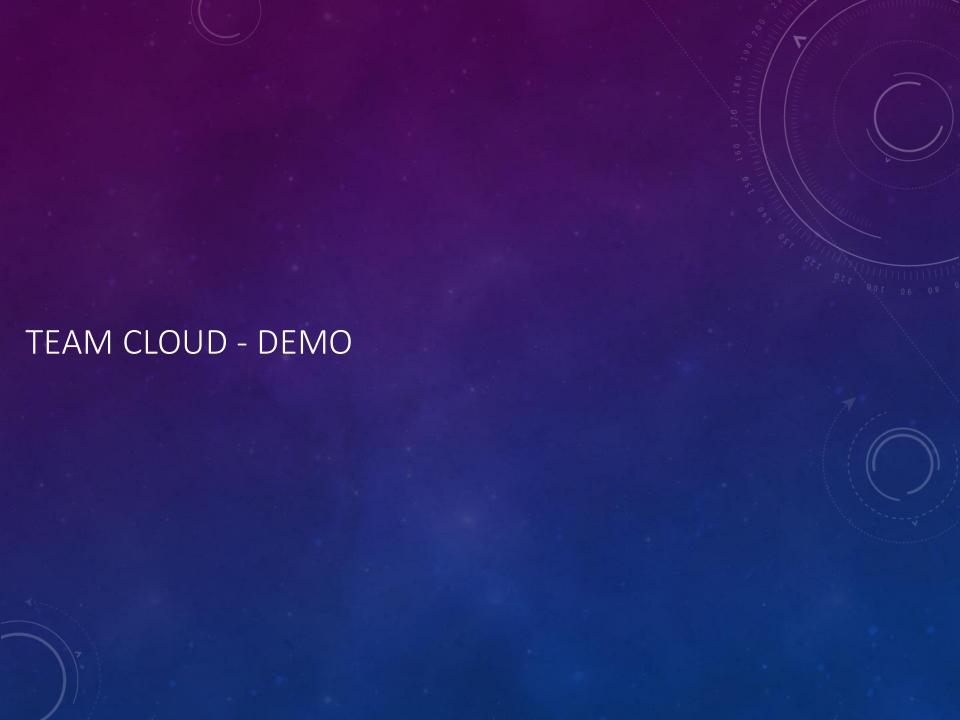
- Real-Time Code Suggestions
- Context-Aware Completions
- Support for Multiple Languages
- Learning from Code Comments
- Error Detection and Fixes
- Generating Documentation and Tests
- Faster Prototyping

# BENEFITS OF AI PAIR PROGRAMMING WITH COPILOT

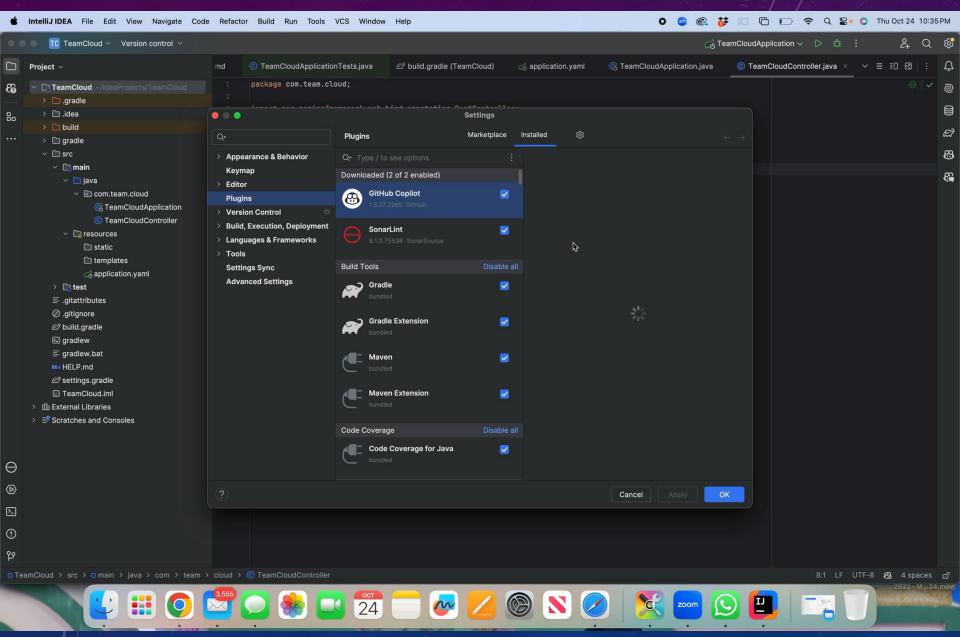
- Increased Productivity
- Enhances Learning
- Improved Code Quality
- Accelerated Onboarding
- Collaborative Coding Experience

## EXAMPLE WORKFLOW WITH GITHUB COPILOT

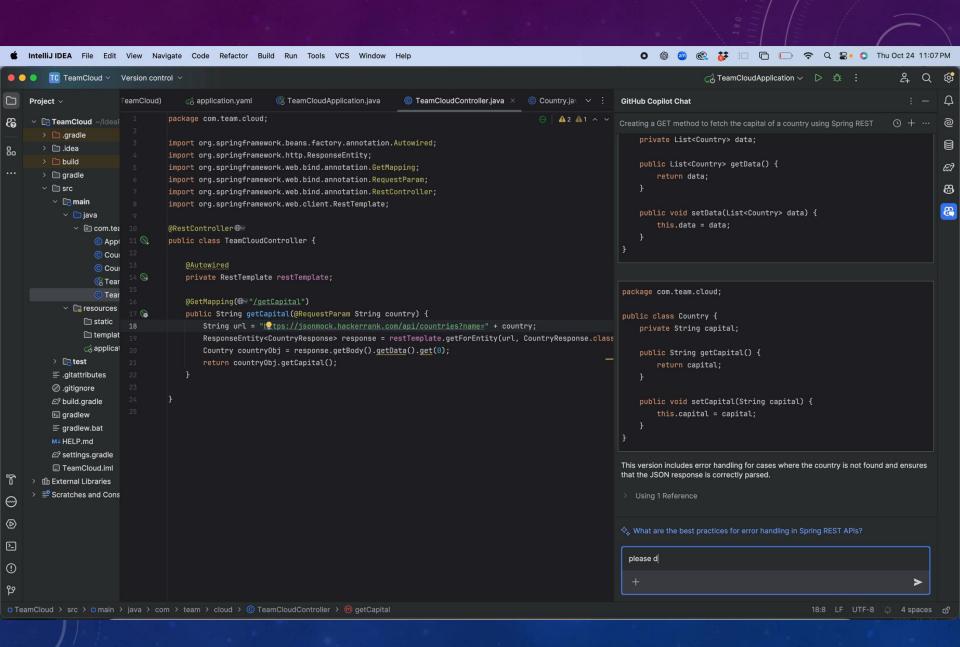
- 1. Writing Comments: Describe desired functionality.
- 2. Copilot Suggests Code: Auto-suggest implementation based on the comment.
- 3. Accept/Modify Suggestion: Adjust or accept the suggestions.
- 4. Additional Suggestions: Continue coding with more relevant suggestions.



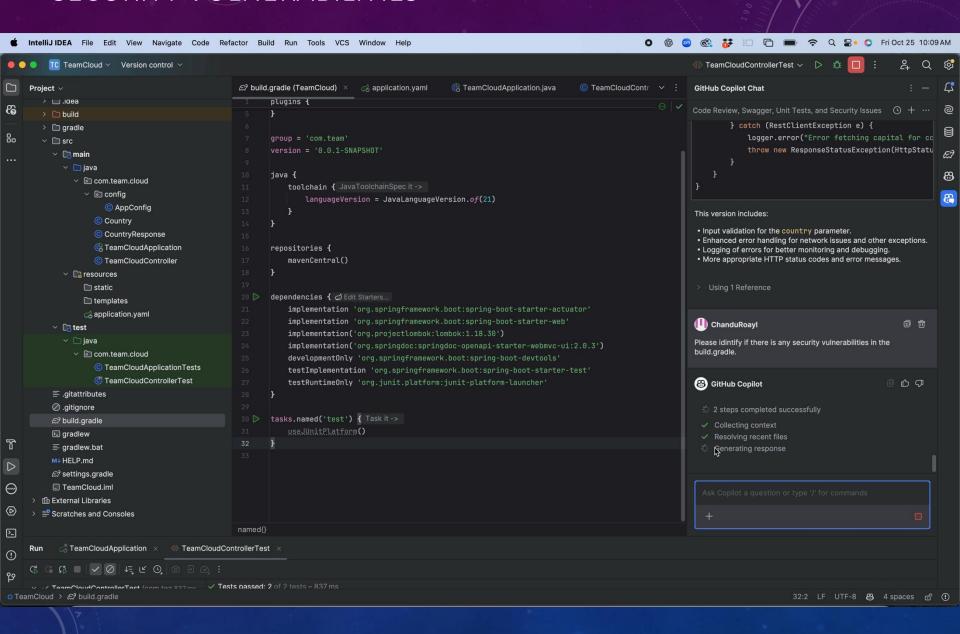
### GITHUB COPILOT PLUGIN



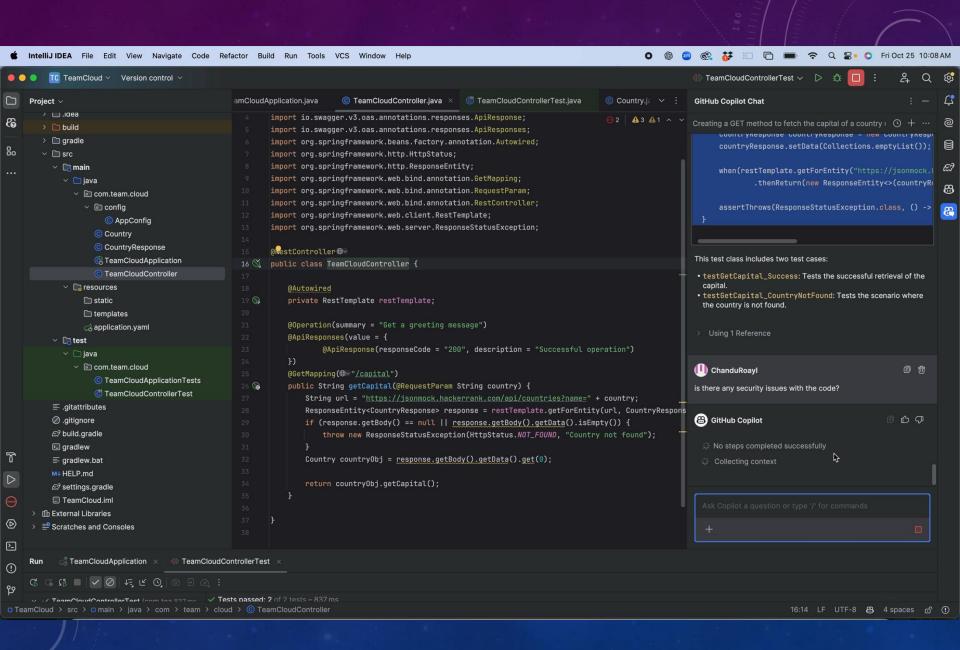
#### **CODE REVIEW**



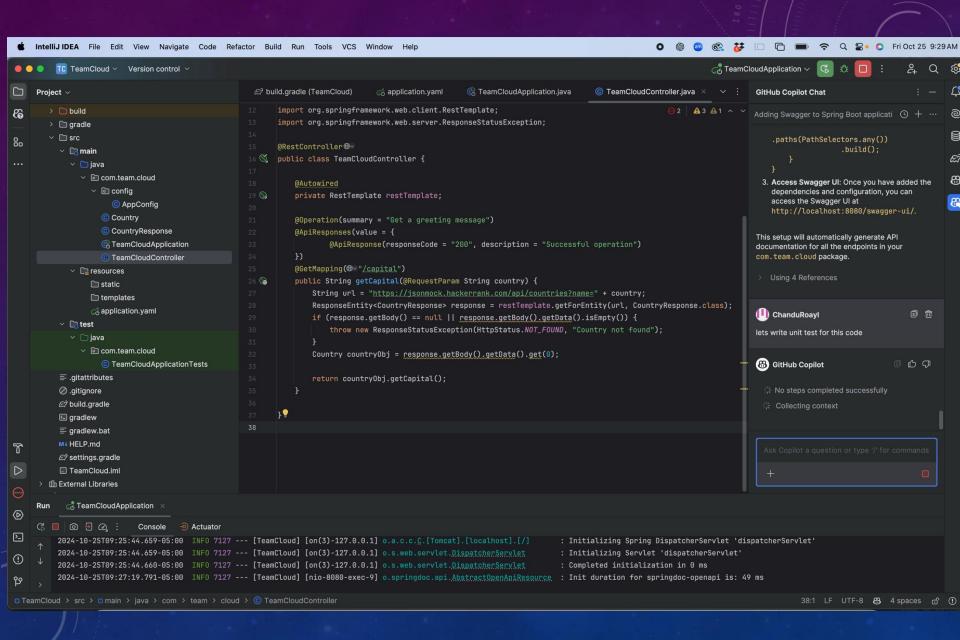
### SECURITY VULNERABILITIES



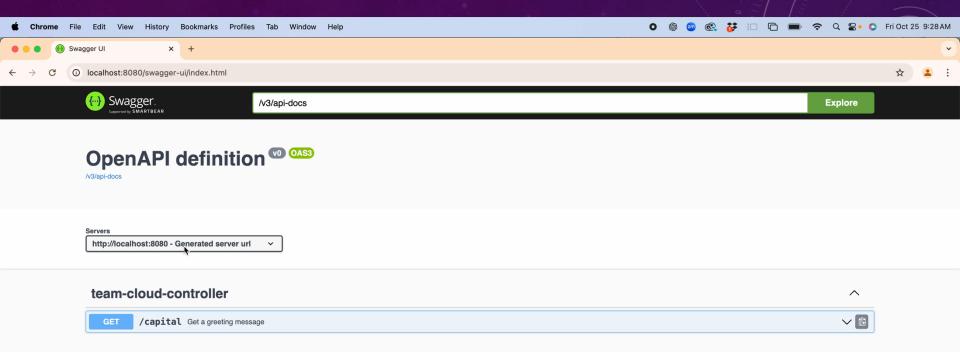
#### **SECURITY ISSUES**



### **UNIT TEST CASE**



## **TESTING**



# CONCLUSION

GitHub Copilot enhances coding efficiency, reduces errors, and fosters a collaborative coding environment by acting as an Al pair programmer.