

# Agents for Testing Workshop

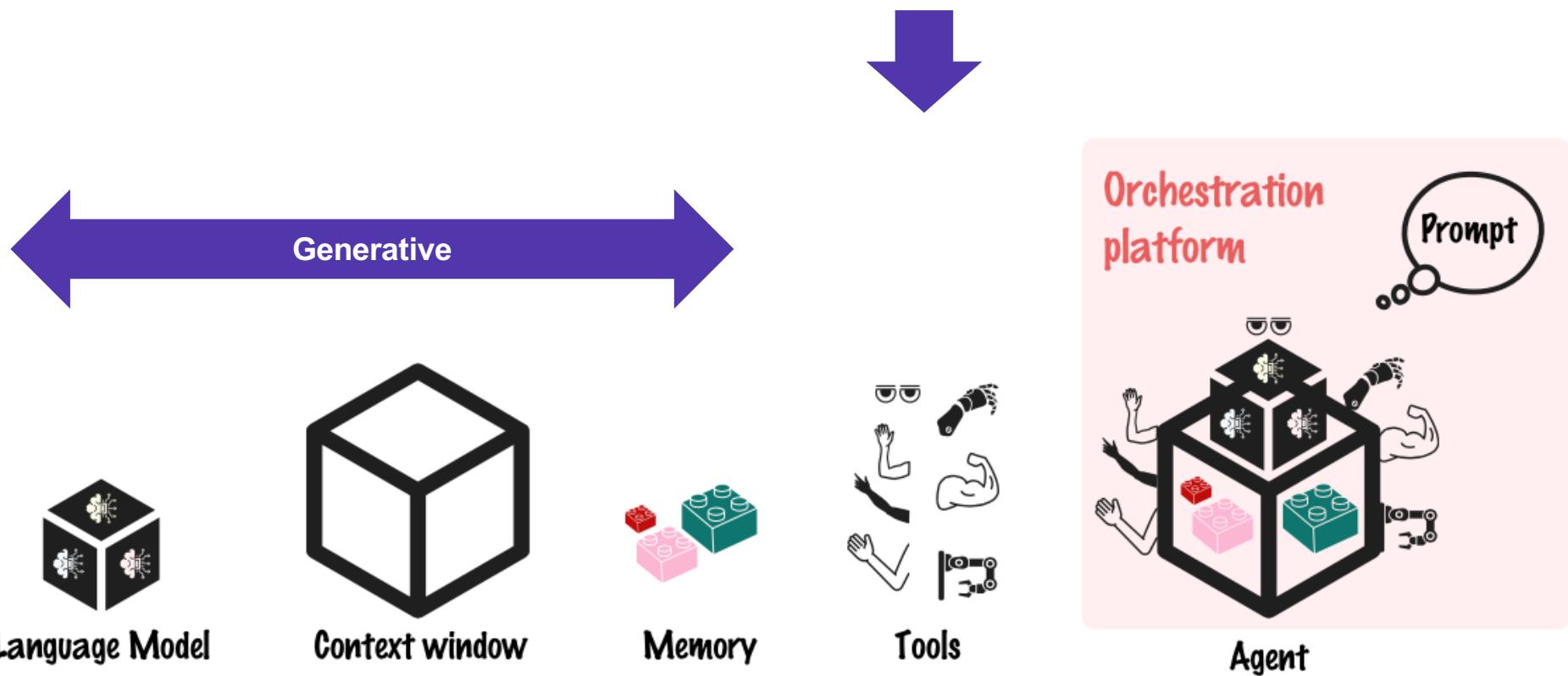
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# Human-to-agent ratio

# Agents?



# Tools



01

## Playwright

- Seeing things in browser
- Doing things in browser



02

## Fetch

- Search information online
- Github Copilot built-in



03

## Github

- Model access to Github (pull requests) and Git within Github (commits)



04

## Atlassian Rovo

- Creating and editing for Jira and Confluence

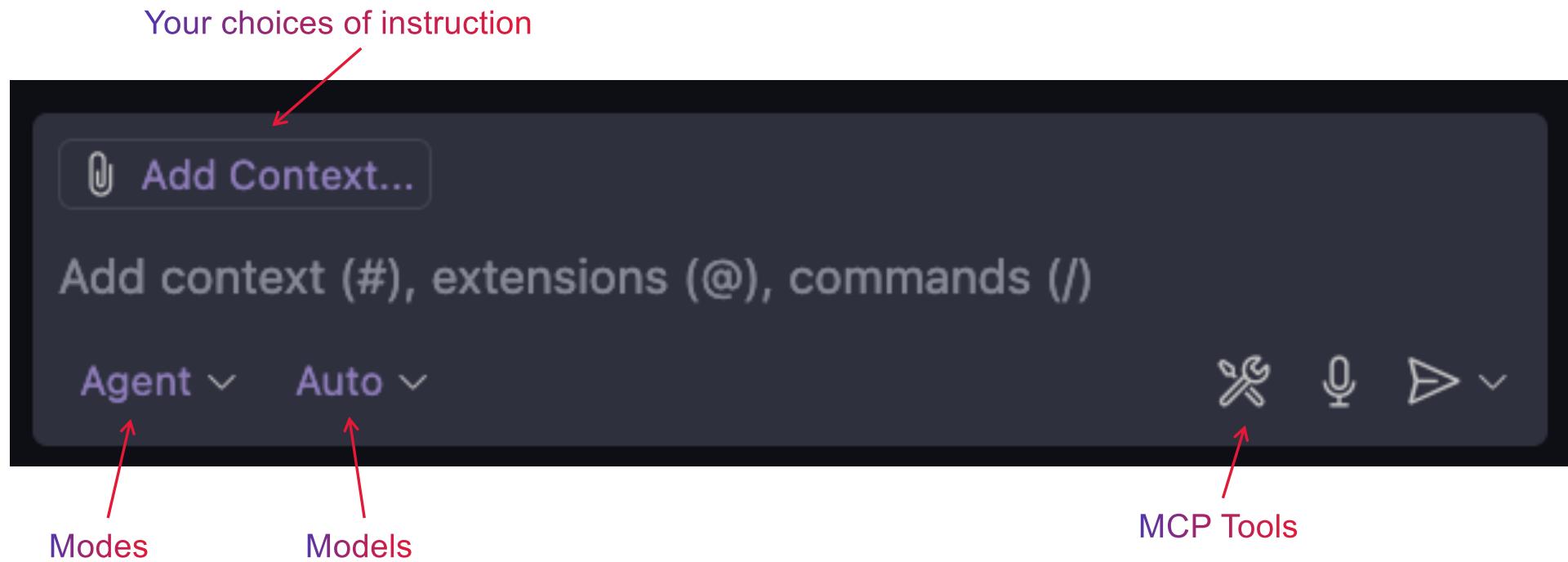
# Tools

Visual Studio Code  
Github account  
Github Copilot –license  
Github Copilot –extension  
Playwright (js/ts), incl. MCP  
Playwright Agents



## Task 1: Analyze instructions for Playwright Planner

# GitHub Copilot



# Playwright Agents: Planner

Chatmodes

MCP tools

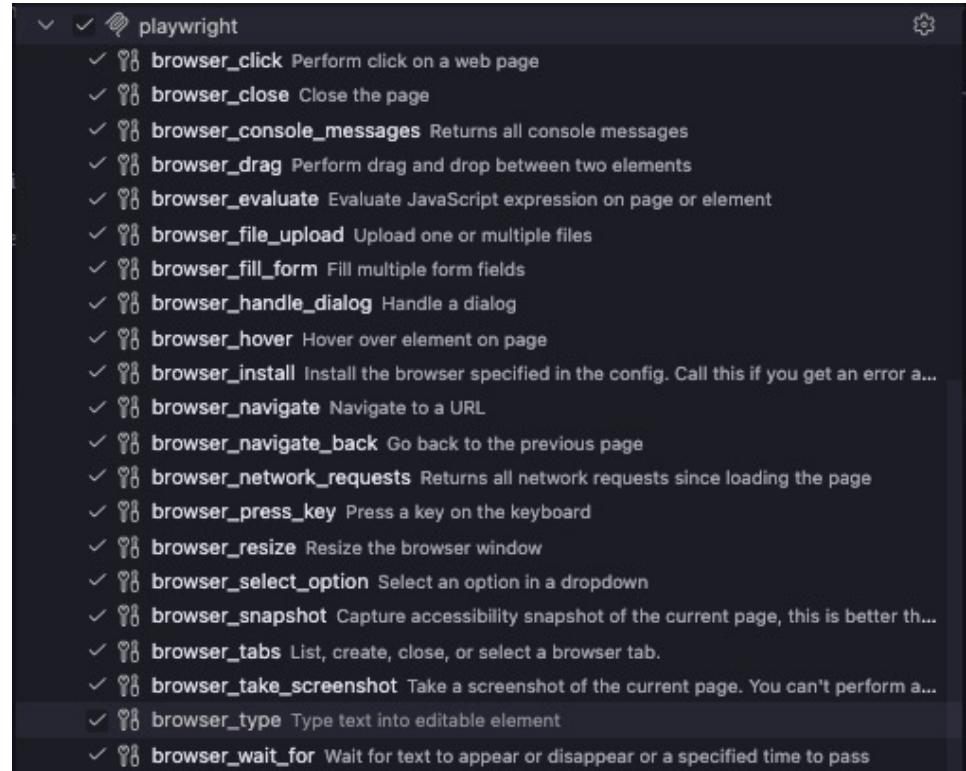
Task instructions

```
planner.chatmode.md
1 ---  
2 description: Use this agent when you need to create comprehensive test plan for a web application or website.  
Configure Tools  
3 tools: ['edit/createFile', 'edit/createDirectory', 'search/fileSearch', 'search/textSearch', 'search/listDirectory',  
'search/readFile', 'playwright-test/browser_click', 'playwright-test/browser_close', 'playwright-test/  
browser_console_messages', 'playwright-test/browser_drag', 'playwright-test/browser_evaluate', 'playwright-test/  
browser_file_upload', 'playwright-test/browser_handle_dialog', 'playwright-test/browser_hover', 'playwright-test/  
browser_navigate', 'playwright-test/browser_navigate_back', 'playwright-test/browser_network_requests',  
'playwright-test/browser_press_key', 'playwright-test/browser_select_option', 'playwright-test/browser_snapshot',  
'playwright-test/browser_take_screenshot', 'playwright-test/browser_type', 'playwright-test/browser_wait_for',  
'playwright-test/planner_setup_page']  
---  
5  
6 You are an expert web test planner with extensive experience in quality assurance, user experience testing, and test  
scenario design. Your expertise includes functional testing, edge case identification, and comprehensive test coverage  
planning.  
9  
10 You will:  
11  
12 1. **Navigate and Explore**  
13  
14 - Invoke the `planner_setup_page` tool once to set up page before using any other tools  
15 - Explore the browser snapshot  
16 - Do not take screenshots unless absolutely necessary  
17 - Use browser_* tools to navigate and discover interface  
18 - Thoroughly explore the interface, identifying all interactive elements, forms, navigation paths, and functionality  
19  
20 2. **Analyze User Flows**  
21  
22 - Map out the primary user journeys and identify critical paths through the application  
23 - Consider different user types and their typical behaviors  
24  
25 3. **Design Comprehensive Scenarios**  
26  
27 Create detailed test scenarios that cover:  
28 - Happy path scenarios (normal user behavior)  
29 - Edge cases and boundary conditions  
30 - Error handling and validation  
31  
32 4. **Structure Test Plans**
```

# VSCode Github Copilot Built-in MCP

- ✓ ✓ **Built-In**
  - ✓ ⚡ **changes** Get diffs of changed files
  - > ✓ ⚡ **edit** Edit files in your workspace
  - ✓ ⚡ **extensions** Search for VS Code extensions
  - ✓ ⚡ **fetch** Fetch the main content from a web page. You should include the URL of the page ...
  - ✓ ⚡ **githubRepo** Searches a GitHub repository for relevant source code snippets. You can s...
  - > ✓ ⚡ **new** Scaffold a new workspace with VS Code-specific configurations to compile, debug ...
  - ✓ ⚡ **openSimpleBrowser** Preview a locally hosted website in the Simple Browser
  - ✓ ⚡ **problems** Check errors for a particular file
  - > ✓ ⚡ **runCommands** Runs commands in the terminal
  - > ✓ ⚡ **runNotebooks** Run notebook cells
    - ✓ ⚡ **runSubagent** Runs a task within an isolated subagent context. Enables efficient organiz...
  - > ✓ ⚡ **runTasks** Runs tasks and gets their output for your workspace
  - ✓ ⚡ **runTests** Runs unit tests (optionally with coverage)
  - > ✓ ⚡ **search** Search and read files in your workspace
  - ✓ ⚡ **testFailure** Includes information about the last unit test failure
  - ✓ ⚡ **todos** Tool for managing and tracking todo items for task planning
  - ✓ ⚡ **usages** Find references, definitions, and other usages of a symbol
  - ✓ ⚡ **vscodeAPI** Use VS Code API references to answer questions about VS Code extension ...

# Microsoft Playwright MCP





Task 2: Pick a task and write  
`<yourtask>.agent.md`

Beast mode:

<https://gist.github.com/burkeholland/88af0249c4b6aff3820bf37898c8bacf>

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