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# Live Coding: Automated Coding Starter Pack



- New github repository  
<https://github.com/agenticsorg/agenticsorg-starter>
- Codespaces provides cloud-based development environment for coding.
- Visual Studio Code is used for editing.
- Roo code (VS Code extension) adds AI functionality.
- Advanced settings using npx create-sparc

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# Welcome



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# Pair (mob) Programming

## Goals

- Create an open source, starter pack based on current SOTA (state of the art) that advanced Agentic Engineers use
- Human-guided with AI writing the code for you

## Definition of Done

- New github repository with Roo Code set up

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# Format

Please ask questions

- Introduce yourself (flex)
- provide a tip
- ask away

This session is being recorded. [Link in the github repository](#) (when ready)

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# Github Setup

1. Go to [github.com](https://github.com).
2. Click the "+" icon in the top right and select "New repository".
3. Choose a name and description for your repository.
4. Decide if you want it public or private.
5. Initialize this repository with:
  - a. Add a README file (This provides an initial structure).
  - b. Add .gitignore (Select a template based on your project's primary language, e.g., Python, Node).
  - c. Choose a license.
6. Click "Create repository"

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# Codespaces

You have a few options for working with your project files:

- Local Development: Clone the repository to your local machine using Git.
- Codespaces: Use GitHub Codespaces for an online VS Code IDE environment. This is highly recommended for a seamless experience.
- **VS Code with Remote Development: Open your local VS Code and connect to your Codespace (this is what we will be doing)**

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# Roo Code

Roo Code is a VS Code extension that enables autonomous coding capabilities.

1. Open VS Code.
2. Go to the Extensions view (Ctrl+Shift+X or Cmd+Shift+X).
3. Search for "Roo Code" and install the extension.

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# Roo Code - Modes

Modes are different AI experts designed to complete specific tasks. You can configure which Language Model (LLM) each mode uses.

- Architect: Helps with the design and architecture of your program.
- Ask: Used for asking questions and getting quick information.
- Debugger: Assists in identifying and fixing code issues.
- Orchestrator: Coordinates tasks and other modes for autonomous workflows.
- Documentation Writer: Helps in creating and updating project documentation.



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# Roo Code - Settings

Configure your LLM API keys and preferred models in the Roo Code settings.

- For coding tasks, models like Sonnet 3.7 are recommended.
- For complex thinking tasks, models like Gemini 2.5 Pro are suitable.
- For general questions (Ask Mode), any model can be used.

Roo Code will ask your permission to 'do stuff'

- Select options that you want to be automated
  - Safe: allow read files
  - For autonomous coding add other

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## Add create-sparc by RUV (founder Agentics Foundation)

In your terminal: `npx create-sparc init --force`

- This will install customized 'roomodes' that are tailored for specific tasks
- Check out the documentation for details about each
- Set a specific LLM for each mode

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# Thank you



- <https://github.com/agenticsorg/agenticsorg-starter>
- Link to transcript and video will be provided in this repository