CODE INSTRUCTION GENERATOR

TABLE OF CONTENTS
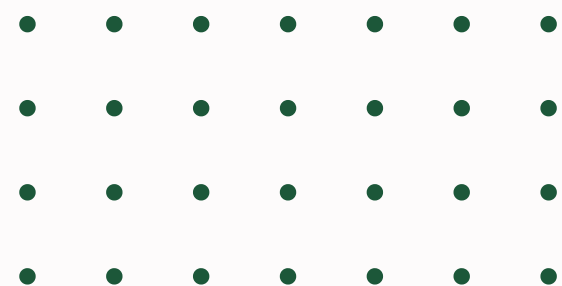
INTRODUCTION

- Our code instruction generator is a tool that can automatically generate step-by-step instructions for completing a coding task from natural language descriptions.
- This can be helpful for a variety of tasks, such as learning to code, debugging code, and generating new code.

PROBLEM STATEMENT

- One of the challenges of learning to code is understanding the relationship between natural language and code.

    This can be difficult, especially for beginners.

- Another challenge of coding is debugging code.When a program doesn't work as expected, it can be difficult to figure out what is wrong.
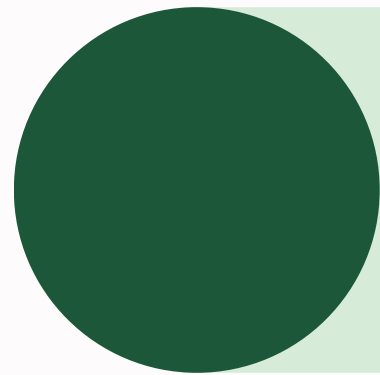
PROPOSED SOLUTION

Our code instruction generator uses Stable Code to generate step-by-step instructions for completing a coding task from natural language descriptions.

Stable Code is a large language model (LLM) that has been trained on a massive dataset of code. This allows Stable Code to generate instructions that are both correct and readable.
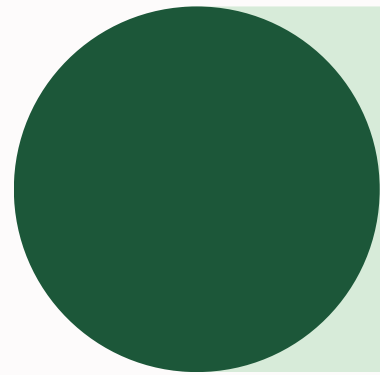
Our code instruction generator also provides the source document from which the instructions were generated. This can be helpful for debugging code or understanding the reasoning behind the instructions.
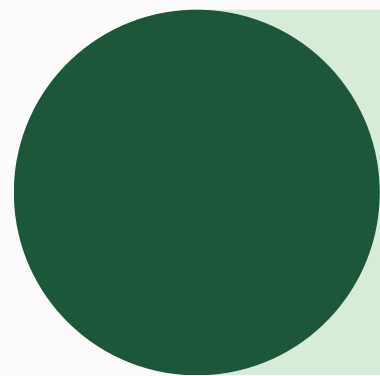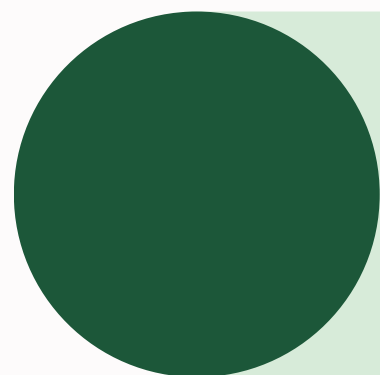
KEY FEATURES

The ability to generate step-by-step instructions for completing a coding task from natural language descriptions

The ability to provide the source document from which the instructions were generated

The ability to generate instructions in a variety of programming languages

The ability to generate instructions that are both correct and readable

USE CASES

Our code instruction generator can be used
for a variety of tasks, including:

- Learning to code

- Debugging code

- Generating new code

- Automating repetitive tasks

- Creating new features for a software application

FUTRUE ENHANCEMENTS

The ability to generate more complex instructions

The ability to generate instructions that are more optimized

The ability to generate instructions that are more tailored to the specific needs of the user

THANK YOU