

Popeye X

# CODE INSTRUCTION GENERATOR

# TABLE OF CONTENTS

01

Introduction

02

Problem Statement

03

Proposed Solution

04

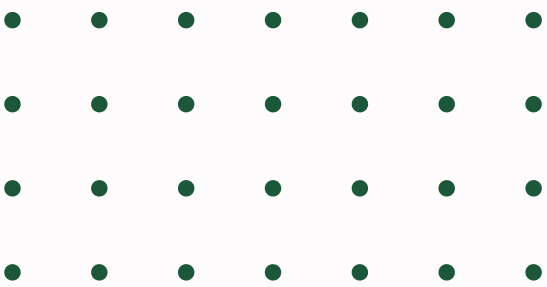
Key Features

05

Use Cases


06

Future Enhancements





# 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.
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# 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

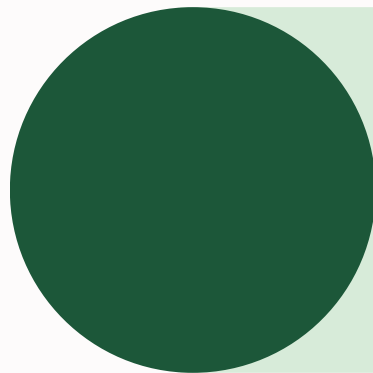
Our code instruction generator uses Stable Code to generate step-by-step instructions for completing a coding task from natural language descriptions.

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.

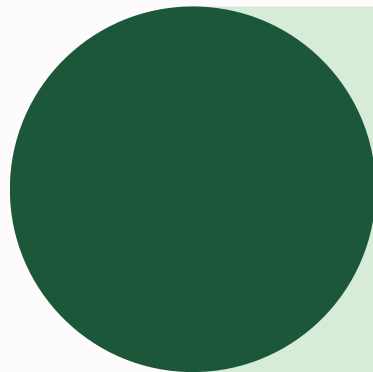
Our code instruction generator also provides the source document from which the instructions were generated. This can be helpful for debugging code or understanding the reasoning behind the instructions.



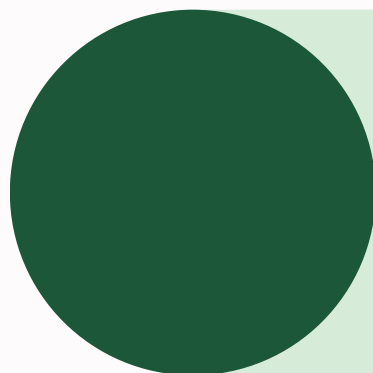
# KEY FEATURES



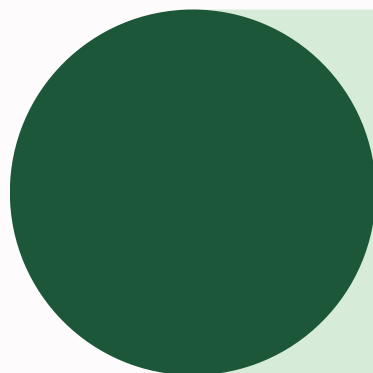
The ability to generate step-by-step instructions for completing a coding task from natural language descriptions



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

# FUTURE 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**