

Lesson 1: Project Planning

Natural Language Processing

Term	Definition	Example / Picture / Code
natural language processing (NLP)	the ability of a computer program to understand human language	ChatGPT

What are some other examples of where you have seen or experienced NLP?

Chatbots on websites or virtual assistants

What are some examples of where you think NLP could be useful?

Help debug

Documentation

Based on our experiences with writing and reading each other's code, what are some best practices we should follow when writing and documenting code?

naming conventions for variables and methods, using white space and indentation to make code easily readable, and writing comments to explain the purpose of individual lines or blocks of code

Term	Definition	Example / Picture / Code
documentation	Written descriptions of the purpose and the functionality of code .	Painter documentation
Javadocs	A documentation tool for Java that is written inside Java and formatted using HTML tags.	@param
HTML	stands for Hypertext Markup Language; the standard system for tagging text files to be displayed on the World Wide Web	<pre><h1> AddNumbers </h1> <p> Adds two integers </p></pre>

Javadocs Tags

@param

parameterName

description

Adds a parameter with the specified parameterName followed by the description.

@return

description

Adds a return section with the decription

Reflection

Question of the Day: How can I identify the requirements and things I need to know to complete a project?

common characteristics and key features from examples

How might you choose to use natural language processing as a tool for self expression?

In the most advanced situations today, there are AI image generation algorithms that use a ton of data in order to train how to decode a string of text and to create a visual representation from it.