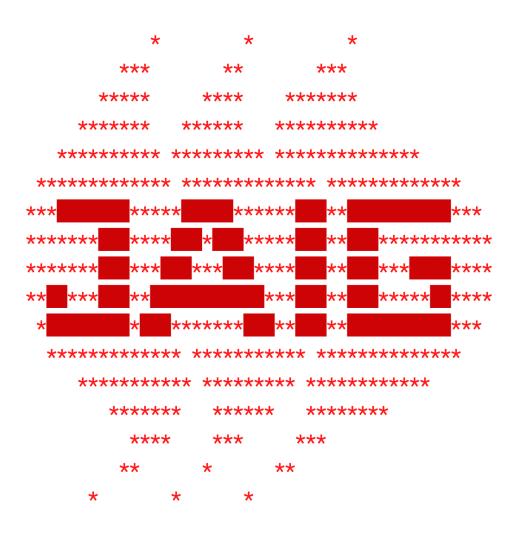
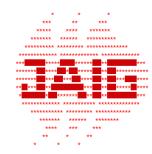
Java Al-powered Code Generator



Why we need JAIG?



JAIG will improve the efficiency of senior developers (2-3x times) and replace junior/middle developers with code generation



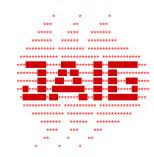
Privacy for your data and generated code

Research V API V ChatGPT V Safety Company V

Chat GPT Open Al API

=> insecure

=> secure



https://openai.com/enterprise-privacy



Trust and privacy are at the core of our mission at OpenAl. We're committed to privacy and security for ChatGPT Enterprise and our API Platform.

Read commitments ↓

Our commitments

Ownership: You own and control your data

(S) OpenAl

- We do not train on your data from ChatGPT Enterprise or our API Platform
- ✓ You own your inputs and outputs (where allowed by law)
- ✓ You control how long your data is retained (ChatGPT Enterprise)

Control: You decide who has access

- ✓ Enterprise-level authentication through SAML SSO
- Fine-grained control over access and available features
- Custom models are yours alone to use, they are not shared with anyone else

Security: Comprehensive compliance

- ✓ We've been audited for SOC 2 compliance
- ✓ Data encryption at rest (AES-256) and in transit (TLS 1.2+)

Search Log in ₹

✓ Visit our <u>Trust Portal</u> to understand more about our security measures Using API is secure!

Try ChatGPT ↗

Using Chat GPT is NOT

Generating code in IDE

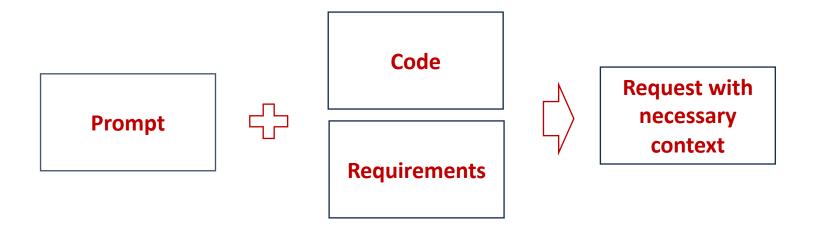
Prompt

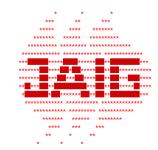


Response



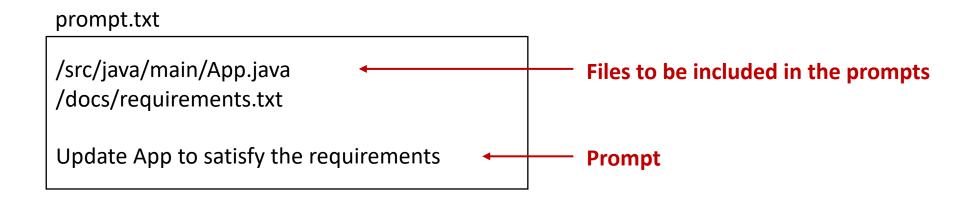
When you use ChatGPT, you need to copy-paste the necessary context manually. With JAIG, add the path to the necessary files.





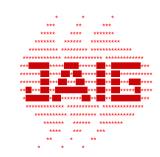
When you use ChatGPT, you need to copy-paste the necessary context manually. With JAIG, add the path to the necessary files.

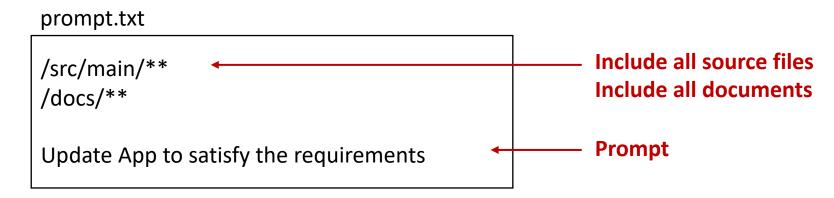




As a result, request.txt is generated with the contents of App.java and requirements.txt included.

When you use ChatGPT, you need to copy-paste the necessary context manually. With JAIG, add the path to the necessary files.

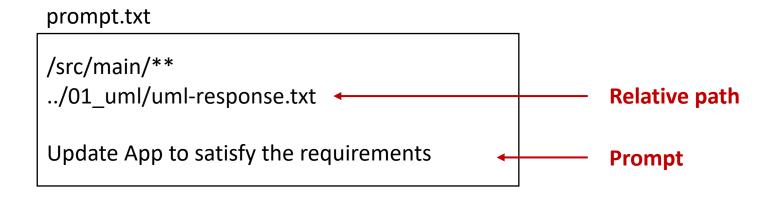




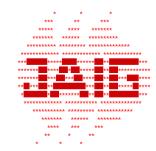
We can easily include many files to the request if necessary with wildcards.

Caution: including more context makes the response less precise and more expensive.

When you use ChatGPT, you need to copy-paste the necessary context manually. With JAIG, add the path to the necessary files.



We can include the relative paths

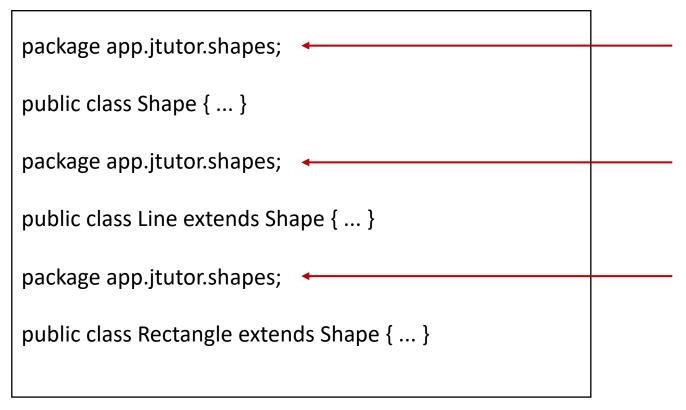


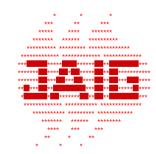
Automatic parsing of the generated code

If gerenerated code includes package names, it is parsed automatically and placed to the folders.

To make it working, ask LLM to add package names. Example:

Use app.jtutor.shapes as a package name before each class.

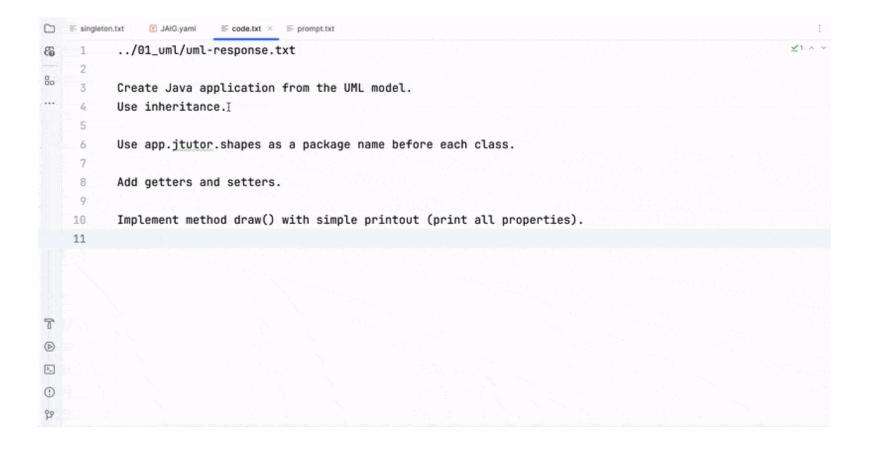


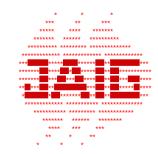


When package name is specified, JAIG is able to automatically split the response and put it to the folders

Automatic parsing of the generated code

If gerenerated code includes package names, it is parsed automatically and placed to the folders.





Merge code and GPT response

We can have

2 types of changes:

- In the **code**
- In the prompt

If you have **both**, you need to **merge** them

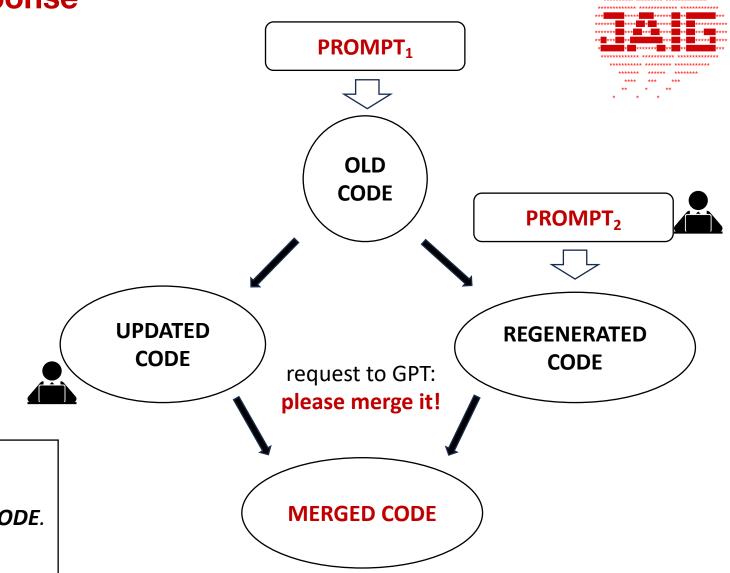
Merging allows to separately change code and requirements.

merge prompt be like:

Dear Chat GPT,

I had **OLD CODE**.

Then programmer changed it to **UPDATED CODE**. And you changed it to **REGENERATED CODE**. Can you please **merge all** these changes?



JAIG Templates



Template promts

Prompt 1

create class [[Entity]]Controller



Prompt 2



Prompt 3



Requirements:

entity: course requirements:

- Find a course by name
- Find course by id
- Find all courses

Prompt 1

create class CourseController





Prompt 2



Prompt 3

entity: course

Entity: Course

entities: courses

Entities: Courses

Major JAIG features:

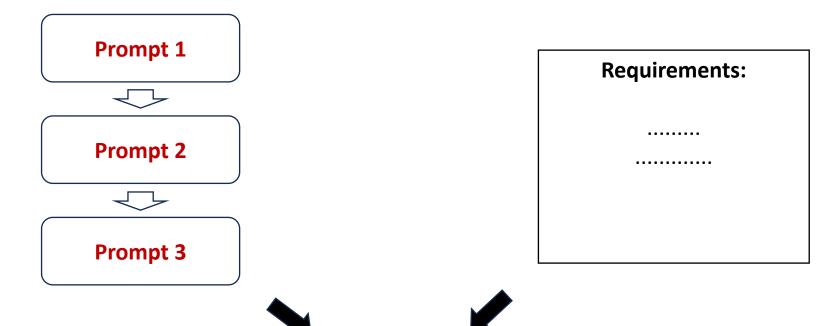
- Privacy for your data and generated code
- Feeding the necessary context to LLM
- Automatic parsing of generated code
- Automatic code merge
- Prompt Templates
- Prompt Pipelines
- Code Refactoring support



Development cycle with JAIG:

- Create a universal **prompts pipeline** of application generation
- Apply any business domain to generate a standardized code



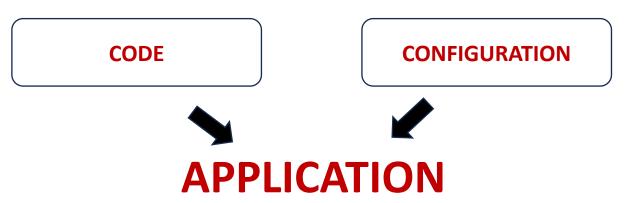


We are able to change the pipeline and regenerate

We are able to change requirements and regenerate

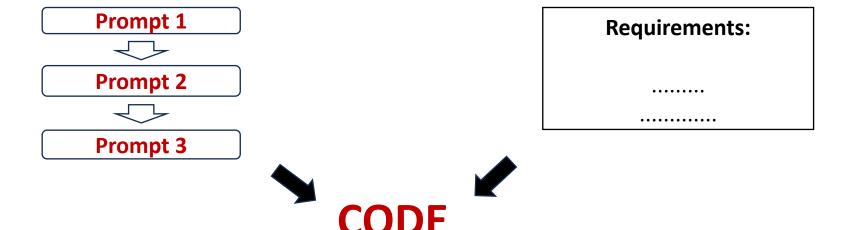
Spring vs JAIG







JAIG separates prompt pipeline to implement code (specific for your project) from requirements



Microsoft Copilot and JAIG





JAIG will improve the development efficiency of senior developers (2-3x times) and replace junior/middle developers with code generation