

LLM4ADR Study

Note: You are expected to complete the study in one sitting. The study will take approximately 15-20 minutes to complete. Please do not refresh the page or navigate away from the page during the study.

Initial Page

Fill in details like your name, and knowledge about software engineering. If you have industry experience, you can mention that as well.

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Note: You are expected to complete the study in one sitting.
If you do not have the time to complete the study now, please come back later.
Please do not close the browser tab or refresh the page during the study.

Welcome to the study!

This study is to understand how effective Large Language Models are in generating Architectural Decision Records (ADRs). An ADR is a document that captures an architectural decision made along with its context and consequences. In this study, you will provide a context and you will be asked to rate two different decisions generated by a language model. You can also use existing context from the context library.

Please fill in the following details to register for the study. Your information will be kept confidential and will not be shared with anyone.

Please enter your name

Name

Arney

Please enter your email. This will be used to contact you for further studies (if any)

Email (optional)

Have you done software engineering courses before?

Select

☒ Yes

☐ No

How many years of industry experience do you have?

Industry experience (in years)

0

Please enter the name(s) of the organization you work/had worked for (if you have industry experience)

Organization name

Rate your knowledge of software engineering on a scale of 1 to 5

Rate yourself

0

☒ I agree to participate in the study

Register

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SA4S Group, Software Engineering Research Center, IIIT Hyderabad

Instructions

Read the instructions carefully and acknowledge that you have read them.

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An ADR is a document that captures an architectural decision made along with its context and consequences.

This is an example of an ADR:

Context: We need to decide on a database for our application.
Decision: We will use PostgreSQL because it is open-source and has good community support.

[This](#) is another sample ADR. You can read more about ADRs [here](#).

In this study, you will be required to provide a context for a software system design problem.

- You can also use an existing context from the context library.
- We will then generate two decisions for you to rate. Please rate each decision based on how well it addresses the context provided.
- You can rate each decision on a scale of 1 to 5, where 1 is the lowest and 5 is the highest.
- Provide additional detailed feedback about what you liked and disliked about the decision.
- Once you have rated both decisions, click on the 'Submit ratings' button to submit your ratings.
- Carefully check your ratings before submitting as you will not be able to change them later.

Since the decisions are generated by language models, they might take some time to generate. Please be patient while the decisions are being generated.

You are advised to rate for atleast 3 different contexts to complete the study.

At the end of the study, you will be provided with a context and you will be asked to write a decision that you would make in that context.

☐ I have read the instructions

Please read the instructions before proceeding

Experiment

1. You can choose a context from the Context Library .

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Context Library

Instructions

Runs Left: 5/5

Enter your context here in markdown format

Example:

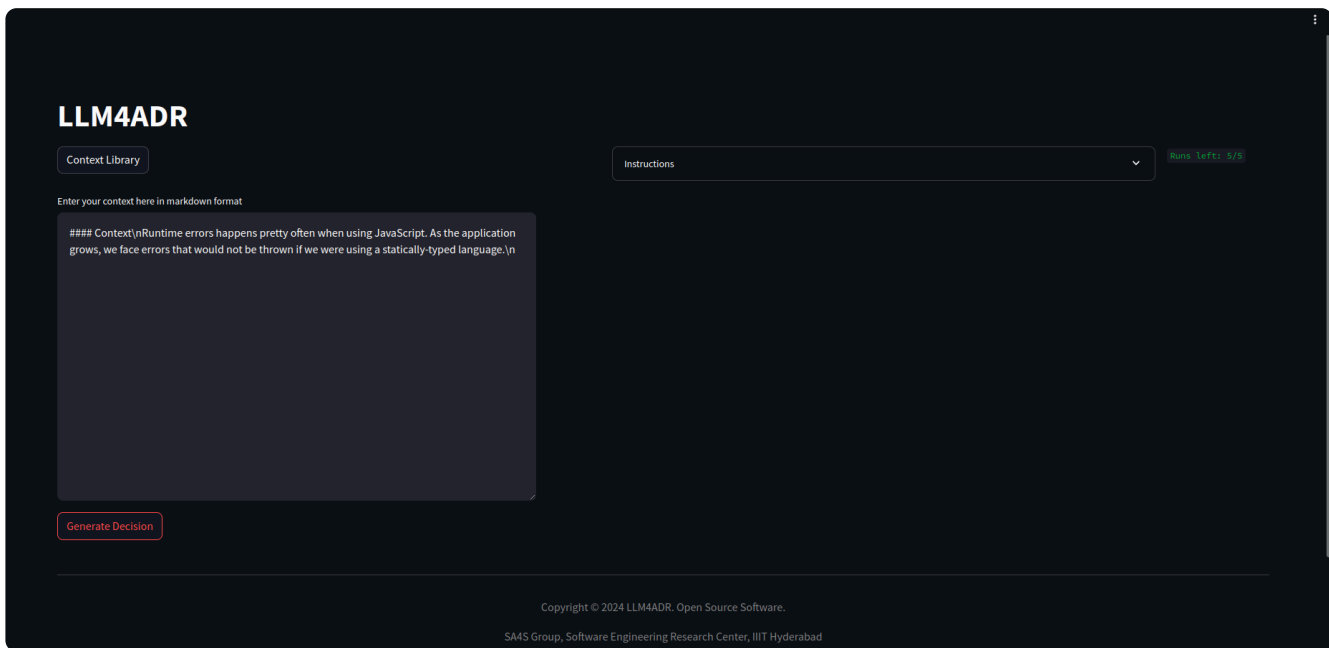
```
## Context
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
...
```

Generate Decision

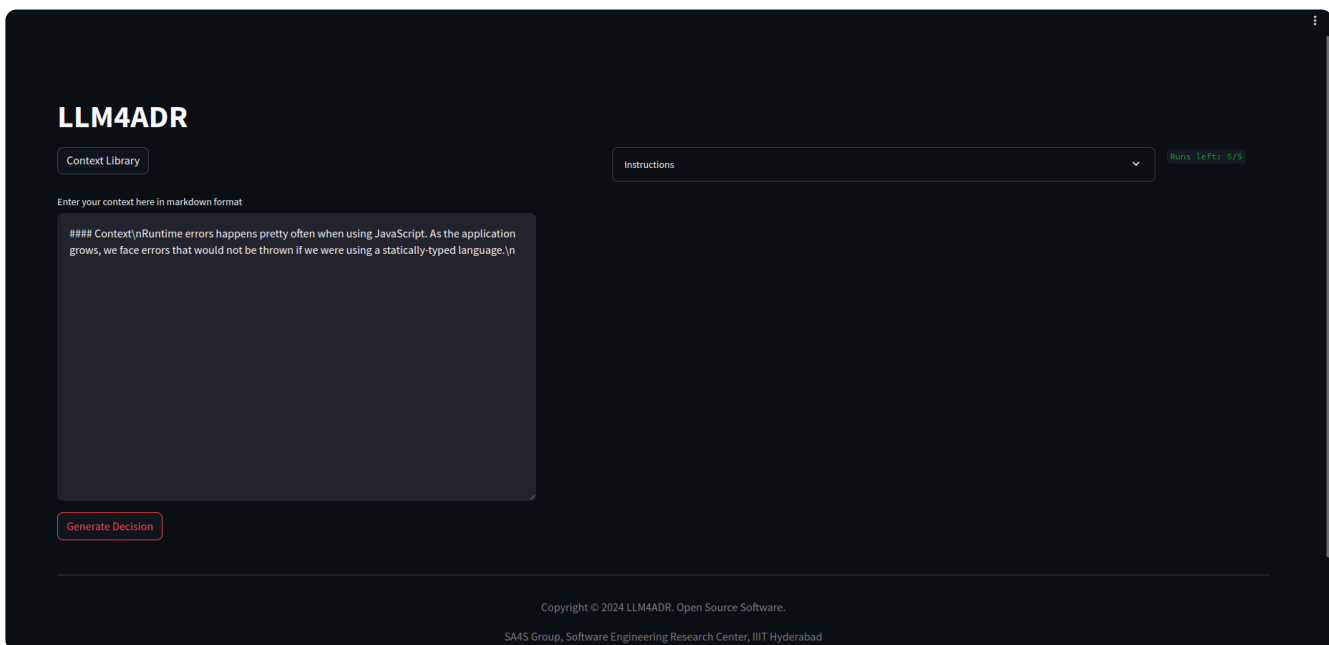
Please enter some text

or write your own context.

2. Click the button to generate the decisions.




3. Wait for the decisions to be generated.



4. Rate the decisions and optionally provide feedback of what you liked or disliked.

7. Submit your decision and this will conclude the experiment.

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 You have completed the study. Thank you for your participation. You may now close the tab.

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