# Stori's Generative AI Challenge

**Welcome to the Challenge!**

Hey there! We're thrilled you're interested in joining the Generative AI (GenAI) team at Stori. We've put together a real-world challenge to get a glimpse of how you solve problems, make decisions, and build scalable systems using RAG (Retrieval-Augmented Generation).

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## Challenge Overview

Your goal is to design and prototype a conversational agent that uses RAG and is capable of handling real-world user questions, using the provided documentation on the Mexican Revolution.

## The Scenario

You're part of a team tasked with building an internal GenAI assistant that can:

- Understand questions about the shared document.
- Retrieve relevant information from the internal document.
- Answer follow-up questions while maintaining context.
- Support tooling or agents to extend its usefulness.
- The agent must not answer questions outside the scope of the documents or its existing knowledge.

## What You'll Build

Build a working prototype of your system that:

- Ingests and indexes the provided documentation.
- Responds to user queries using a combination of retrieval + generation.
- Maintains context for at least one follow-up question.
- Includes at least one tool that enhances functionality. (e.g. conversation summary, conversation classification, human escalation trigger).

## What to Submit

Please submit the following:

1. Working Code

- Source Code

- [README.md](README.md) file.

## 2. Evaluation

- How did you test your system?
- Any metrics you used.
- We're interested in reviewing your process for refining and tuning your RAG

## 3. Infrastructure Perspective

- Submit a `Dockerfile` that runs your app locally.
- Bonus: If you can, show us how you'd deploy it to the cloud (CDK preferred)

## 4. System Design Overview

In 1–2 short paragraphs:

- Briefly describe your system architecture. Please include an architectural diagram to help illustrate how the main components interact.
- What design tradeoffs or assumptions did you make?
- What would you improve if given more time?

## What We're Looking For

We're less interested in perfect performance and more interested in:

- Your reasoning and autonomy.
- Your ability to scope and solve real-world problems.
- Your sense of product thinking and system design.

**We hope you enjoy the challenge—and we're excited to see how you think, build, and solve. Good luck!**