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AI for Bharat Hackathon

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Team Name : Kiro master

Team Leader Name : Abhay Bhatt

Problem Statement : Build an AI-powered solution that helps people learn faster, work smarter, or become more productive while building or understanding technology.

Brief about the Idea:

Debug Mentor – AI Error Explainer

Description:

Debug Mentor is an AI-powered developer productivity tool built entirely using Kiro. It helps developers understand programming errors by explaining what the error means, why it occurs, and how to fix it. Unlike traditional debugging tools that only provide solutions, this tool focuses on learning and long-term skill improvement.

Your solution should be able to explain the following:

- How different is it from any of the other existing ideas?

  Existing platforms (forums, search engines) provide scattered answers. Our solution gives structured, AI-generated explanations. Focuses on learning, not just fixing

- How will it be able to solve the problem?
  Developers paste an error or stack trace. AI explains the error clearly

- USP of the proposed solution

  Three-part explanation: What, Why, How
  Learning-first AI approach

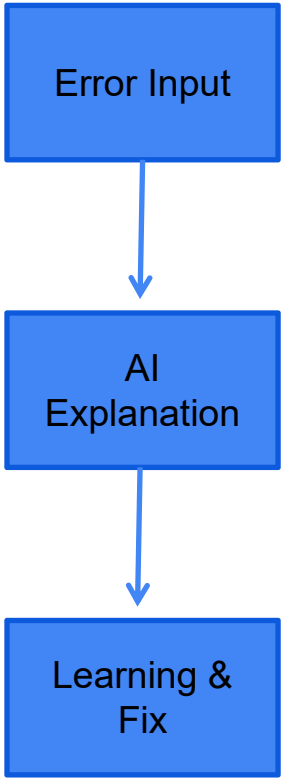
List of features offered by the solution

- Paste & Explain Errors:

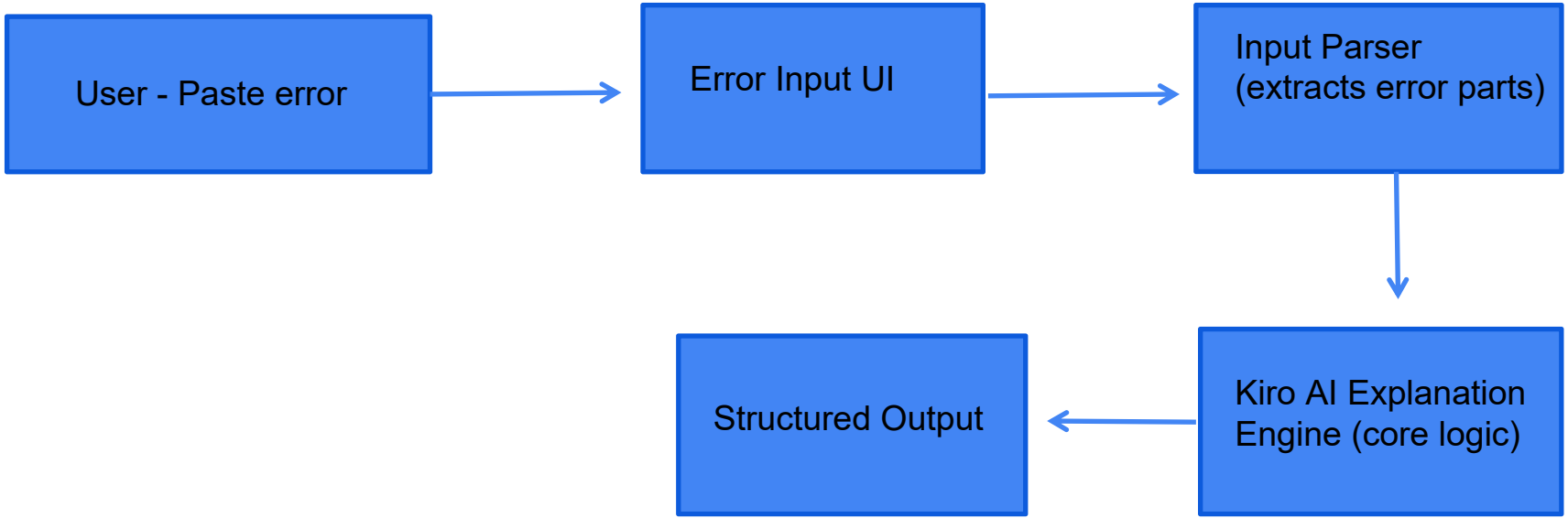
  Users can paste error messages or stack traces directly.

- Three-Part AI Explanation
  What the error means
  Why it happens
  How to fix it

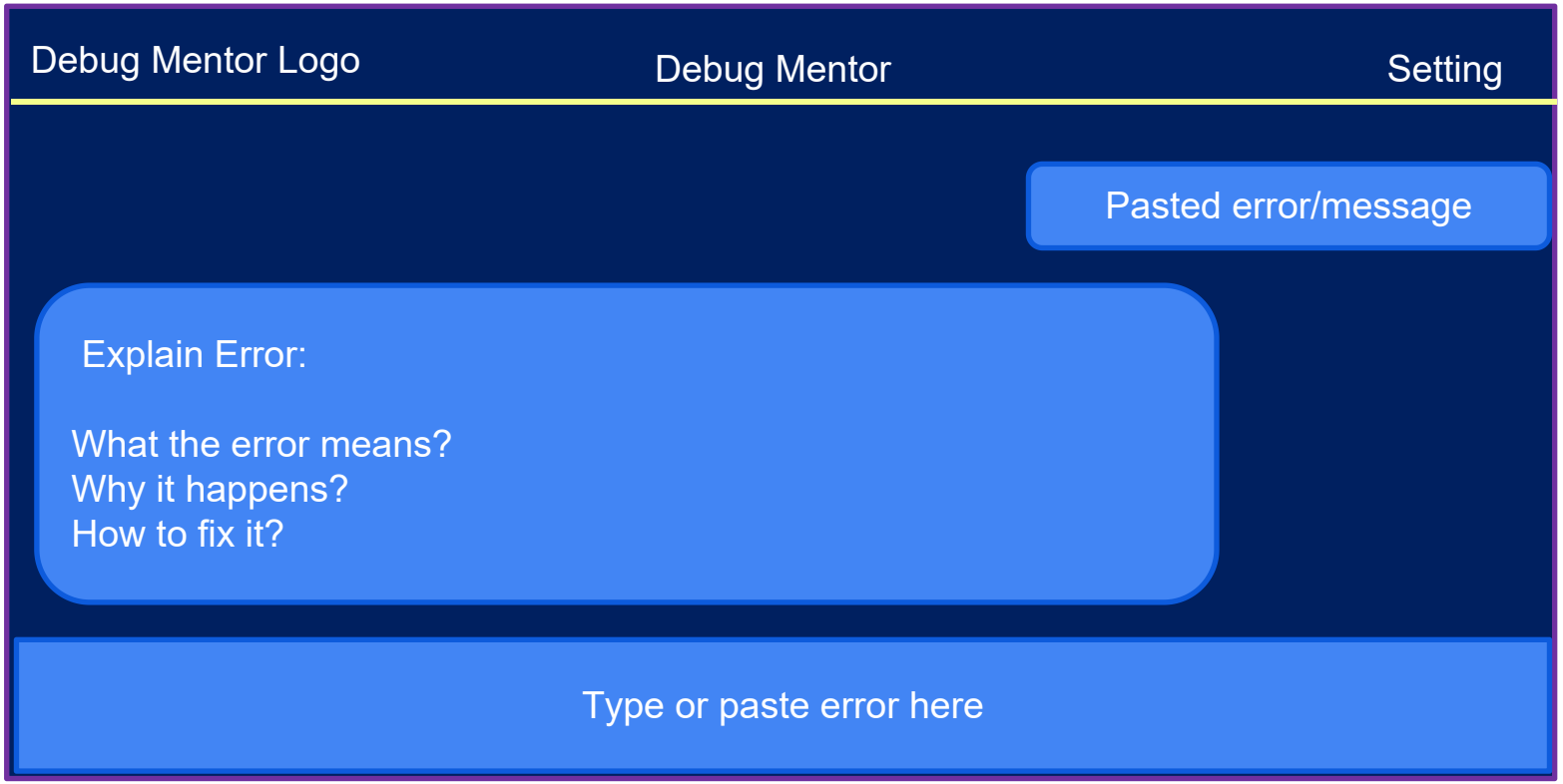
- Beginner-Friendly Learning
- Multi-Language Error Support
- Fast & Structured Output



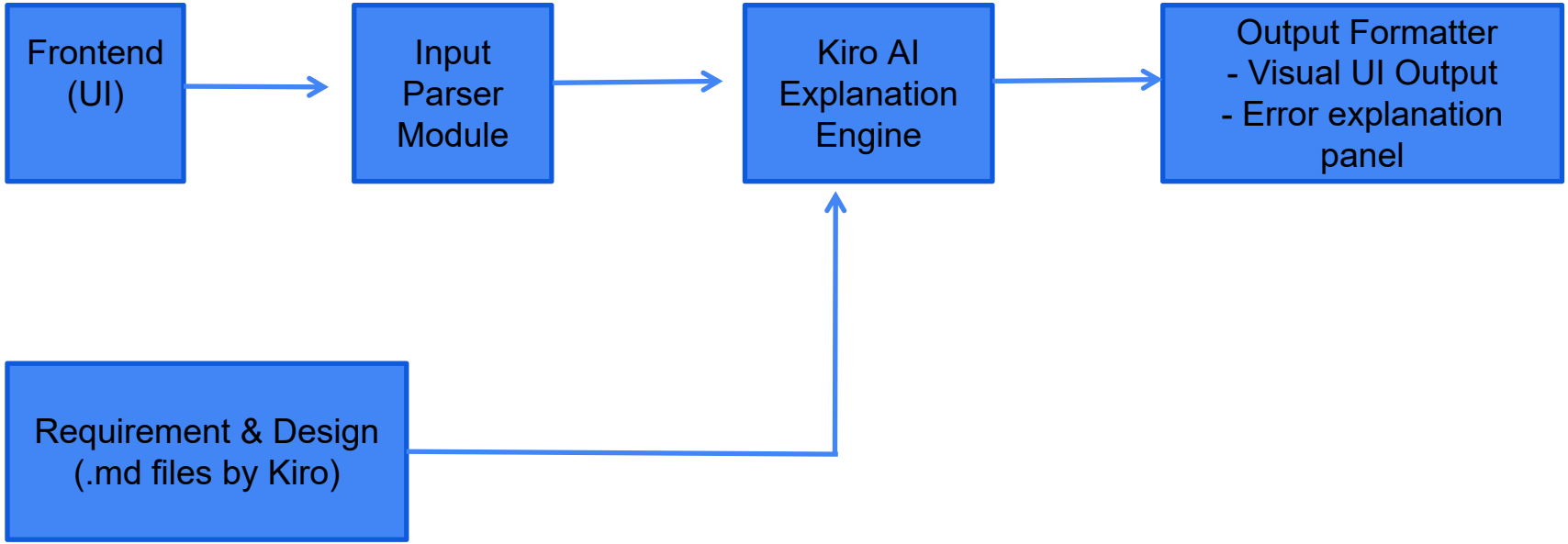
Process flow diagram or Use-case diagram



Wireframes/Mock diagrams of the proposed solution (optional)



Architecture diagram of the proposed solution:



Technologies to be used in the solution:

- Kiro (AI & Spec > Design flow)
- TypeScript (for design reference)
- Markdown (requirements & design specs)
- Web-based UI (conceptual)

Estimated implementation cost (optional):

Add as per the requirements for the hackathon:

- Fully compliant with hackathon rules
- Specs generated using Kiro
- No external AI used
- Focused on clarity, learning, and productivity

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Thank You