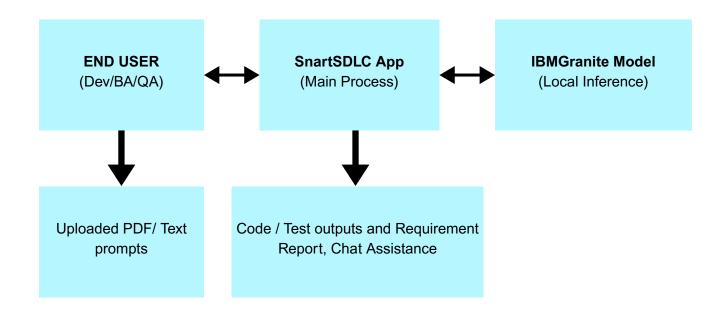
## Project Design Phase-II Data Flow Diagram & User Stories

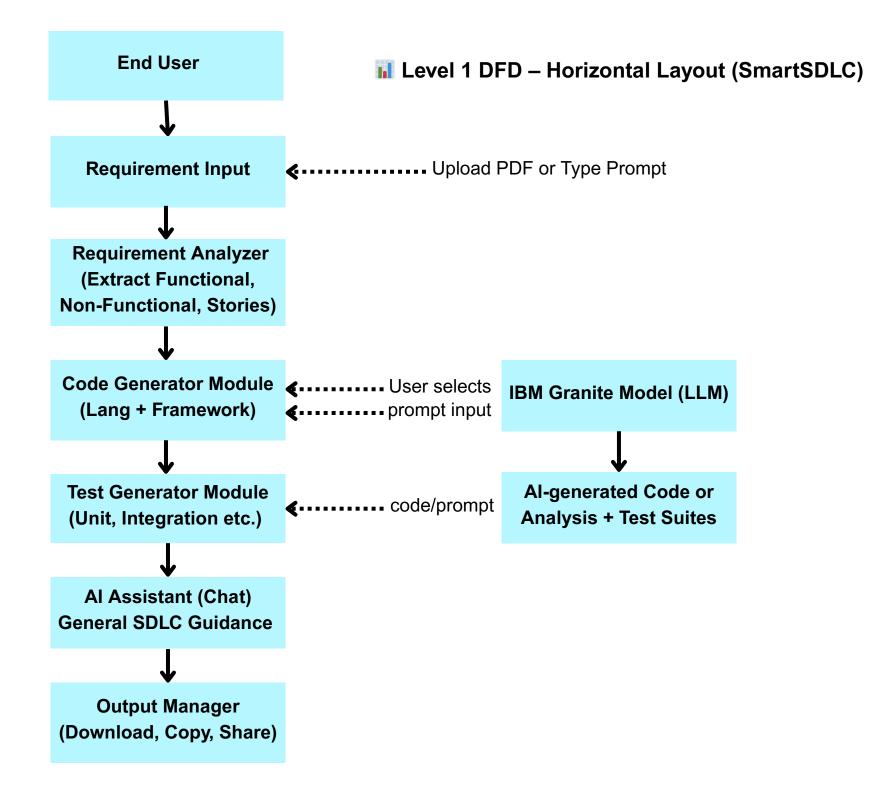
| Date          | 25 JUNE 2025  |
|---------------|---|
| Team ID       | LTVIP2025TMID59527                                    |
| Project Name  | Smart SDLC- Al Enhnced Software Development LifeCycle |
| Maximum Marks | 4Marks  |

## **Data Flow Diagrams:**

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

## **☑**Level 0 DFD – Context Level





## **User Stories**

Use the below template to list all the user stories for the product.

| Developer           | Requirement<br>Analysis | USN-4  | As a developer, I can upload a PDF or enter text to extract requirements            | I see functional, non-<br>functional, and<br>technical specs  | High   | Sprint-2 |
|---------------------|-------------------------|--------|---|---|--------|----------|
| Developer           | Code Generator          | USN-5  | As a developer, I can select a language and framework and generate code from prompt | I get clean,<br>downloadable code with<br>IBM standards       | High   | Sprint-2 |
| Developer           | Test Generator          | USN-6  | As a developer, I can generate test cases by providing code or functionality        | I get full test suite with setup instructions                 | Medium | Sprint-3 |
| Business<br>Analyst | Requirement<br>Analysis | USN-7  | As a BA, I can enter raw business needs and get structured requirements             | I receive categorized requirements and user stories           | High   | Sprint-2 |
| QA Tester           | Test Generator          | USN-8  | As a QA, I can enter requirements or code to generate relevant test cases           | I receive test cases<br>covering normal and<br>edge scenarios | Medium | Sprint-3 |
| Developer           | Al Assistant            | USN-9  | As a developer, I can ask questions about SDLC and software design                  | I receive enterprise-<br>grade answers instantly              | High   | Sprint-2 |
| Administrator       | Output<br>Management    | USN-10 | As an admin, I can view, export,<br>and download all generated<br>outputs securely  | I can manage file<br>exports for audits                       | Low    | Sprint-4 |