

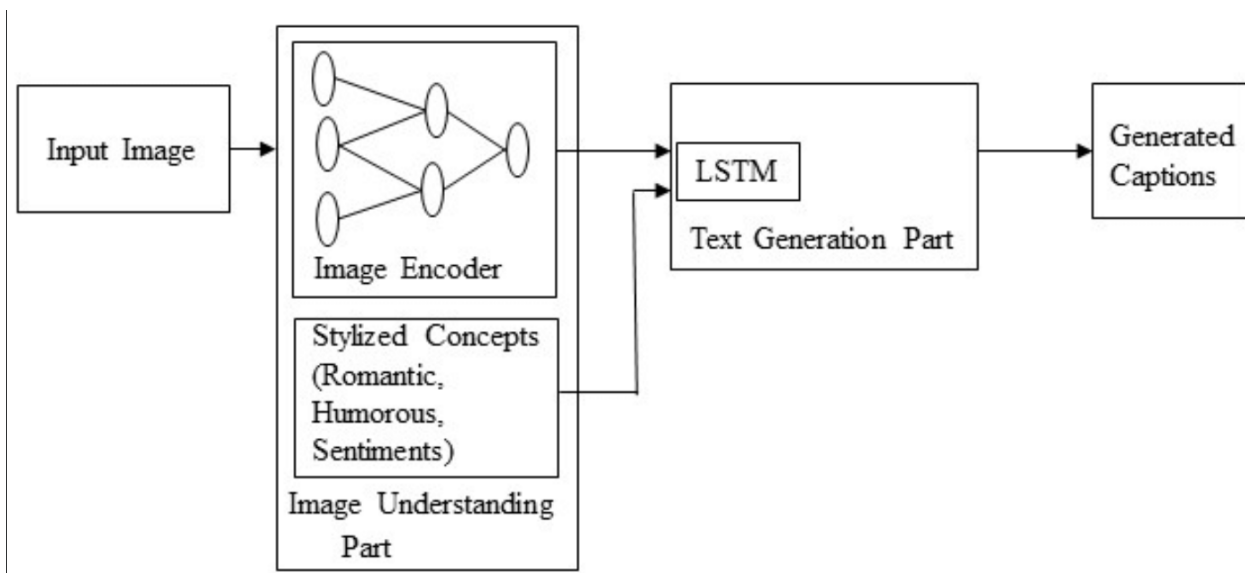
Project Design Phase-II

Data Flow Diagram & User Stories

Date	5th september 2023
Team id	Team-593094
Project name	Image caption generation
Maximum marks	4 marks

Data Flow Diagrams (DFD):

Purpose: To illustrate the flow of information in the image caption generation system, detailing data entry, processing, and output.



User Stories:

Purpose: To articulate functional requirements and tasks from various user perspectives specific to the image caption generation project.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
User	Image upload	USN-1	As a user, I can upload an image to the system for caption generation	System accepts and processes the uploaded image	HIGH	SPRINT-1
User	View caption	USN-2	As a user, I can view the generated caption corresponding to the uploaded image.	Caption is displayed accurately and relevant to the image	HIGH	SPRINT-1
Admin	Manage image database	USN-3	As an administrator, I can	Ability to add, delete, or	HIGH	SPRINT-2

			manage the image database used for training the captioning model.	update images in the training dataset		
Admin	Monitor Model Performance	USN-4	As an administrator, I can monitor the performance metrics of the captioning model.	Access to model accuracy, loss, and other relevant performance metrics	MEDIUM	SPRINT-2
Developer	Model improvement	USN-5	As a developer, I can implement enhancements or updates to the captioning model for improved accuracy.	Improved caption generation performance based on implemented changes	HIGH	SPRINT-3

Next Steps and Action Items:

Expand the Data Flow Diagram to cover detailed information processing steps.
Elaborate user stories to encompass all functionalities and user interactions in the system.
Prioritize and plan releases based on the importance and dependencies of each user story.

Conclusion:

The Data Flow Diagrams provide a visual overview of information flow, while user stories define specific user requirements, guiding the development of the image caption generation system.