

Project Design Phase-II

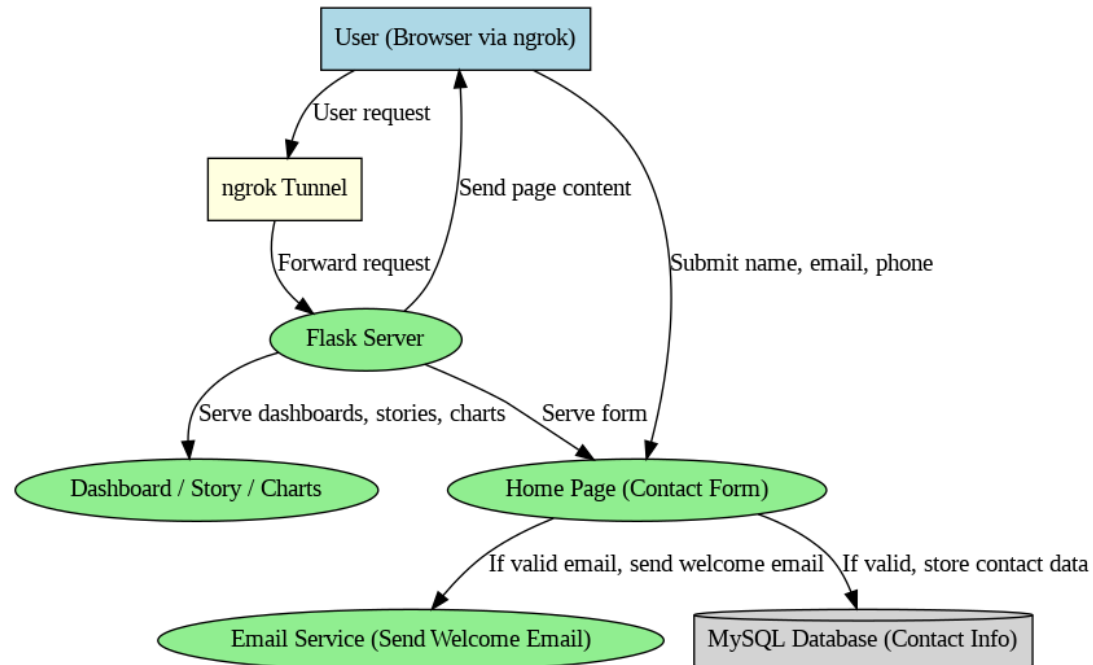
Data Flow Diagram & User Stories

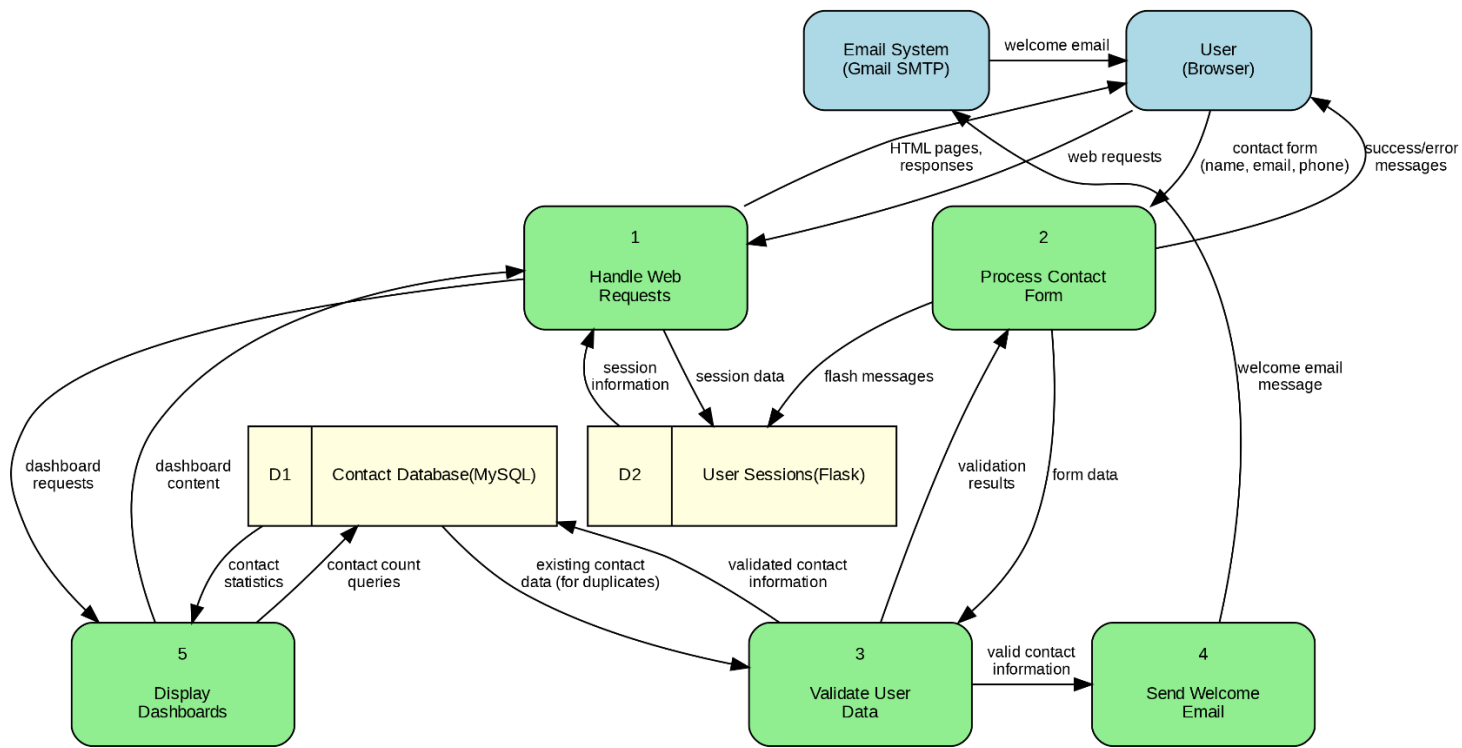
Date	20 June 2025
Team ID	LTVIP2025TMID48991
Project Name	ToyCraft Tales: Tableau's Vision into Toy Manufacturer Data
Maximum Marks	4 Marks

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.

DFD:





User Stories

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

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)/(web user)	Registration / Contact Form	USN-1	As a user, I can access the application via ngrok and view the Home, Dashboard, Story, and Charts options.	I can access my account / I can see and navigate between these options when the server is running.	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
		USN-2	As a user, I can fill in my name, email, and phone number in the contact form to join the committee.	I can submit my details successfully to the server.	High	Sprint-1
		USN-3	As a user, if I submit a valid email, I will receive a welcome email from ToyCraft Tales.	I can receive a welcome email at my valid email address after form submission.	Medium	Sprint-1
		USN-4	As a user, I As a user, if I submit an invalid email, no email will be sent, and my data will not be saved. Register for the application through Gmail	I can see that no email is sent and no data is saved when the email is invalid.	Medium	Sprint-1
	Dashboard	USN-5	As a user, I can access the interactive dashboard from the menu and view visual insights.	I can view and interact with the dashboard (filters, tooltips, etc.).	High	Sprint-1
		USN-6	As a user, I can apply filters on the dashboard (e.g., by year, manufacturer, state) to refine the data view.	I can see the dashboard update dynamically based on the filters I apply.	Medium	Sprint-2
	Charts	USN-7	As a user, I can access individual charts showing analyses such as Toy Manufacturers by Year or Top 10 States.	I can view the charts without errors and see relevant data visualizations.	High	Sprint-1
		USN-8	As a user, I can interact with chart elements (e.g., hover or click for details).	I can see detailed information when I hover over or click on chart elements.	Low	Sprint-2
	Story	USN-9	As a user, I can access a Tableau story with multiple scenes showing toy industry trends.	I can navigate between story scenes without errors.	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
		USN-10	As a user, I can navigate between story scenes and understand key insights from each scene.	I can see a clear title and summary of insights in each story scene.	Medium	Sprint-2
Customer Care Executive		USN-11	As a customer care executive, I can view contact form submissions stored in the MySQL database.	I can access a secure view of stored contact data.	Medium	Sprint-2
Administrator		USN-12	As an admin, I can manage (view, edit, delete) contact form submissions in the database.	I can update or delete records of contact submissions as needed.	High	Sprint-1
		USN-13	As an admin, I can monitor the availability of the server (Flask + ngrok status).	I can view or be alerted when the server is down or unreachable.	Medium	Sprint-2