[Start]

│

▼

[Kickoff Meeting & Project Planning]

│

▼

[Requirements Gathering & Ideation]

│

▼

[Design Phase (UI/UX Mockups)]

│

▼

[Development Phase (Front-end & Back-end)]

│

▼

[Integration & Testing]

│

▼

[Deployment & Launch]

│

▼

[Feedback & Maintenance]

│

▼

[End]

**Ex:** This Basic Flow Chart represents the high-level sequence of steps in building the Uzbek food truck website. It begins with the project kickoff and moves through requirement gathering, design, development, testing, and finally deployment with subsequent feedback and maintenance. I chose this format because it offers a clear, sequential view of the project’s lifecycle without overwhelming details. It helps stakeholders quickly grasp the overall process and understand the major milestones we needed to hit.

A key insight from this chart was identifying the early need for stakeholder alignment—ensuring that the initial requirements and design choices were well understood by everyone on the team. This clarity was crucial for a smooth handoff between project phases.

┌────────────────┐

│ User Browser │

└───────┬────────┘

│

▼

┌───────────────────┐

│ Web Server │

│(Application Logic)│

└───────┬───────────┘

│

┌─────────────┼─────────────┐

▼ ▼

┌─────────────────┐ ┌─────────────────┐

│ Database │ │ External APIs │

│ (Orders, Menu, │ │ (Maps, Payment) │

│ Content) │ └─────────────────┘

└─────────────────┘

**Ex:** The System Flow Chart illustrates how various components of our website interact. The user’s browser communicates with the web server, which processes requests and interacts with both the internal database (storing orders, menu items, and content) and external APIs (for maps integration to locate the food truck and payment gateways for online orders). I selected this chart to provide a technical overview that highlights system dependencies and integration points, which is essential for developers and technical stakeholders.

One challenge revealed by this diagram was ensuring secure and efficient communication between our web server and external APIs—particularly when handling sensitive user data like payment information. This insight helped us focus on robust security measures early in the development process.

[Project Manager]

│

▼

[Define Requirements] ─────────► [Design Team]

│ │

▼ ▼

[UI/UX Mockups & Prototypes] ◄──── [Feedback & Iteration]

│

▼

[Development Team]

│

▼

[Front-end & Back-end Implementation]

│

▼

[QA & Testing Team]

│

▼

[Deployment by IT Team]

│

▼

[Post-Launch Monitoring & Updates]

**Ex:** This Workflow Diagram maps out the entire process of the website project and assigns roles to each team member. Starting with the Project Manager who defines requirements, the process flows to the Design Team, then to Development, followed by Quality Assurance, and finally Deployment. This diagram emphasizes the sequential handoffs and collaboration between different teams. I chose the workflow format because it clearly identifies “who does what” and the order of operations, which is vital for managing responsibilities and ensuring accountability in a team project.

[User Input]

(e.g., Order Form)

│

▼

┌─────────────────┐

│ Data Validation│

└───────┬────────┘

│

▼

┌─────────────────┐

│ Process Order │

└───────┬────────┘

│

▼

┌─────────────────┐

│ Database Store │

│ (Orders, Users) │

└───────┬────────┘

│

▼

┌─────────────────┐

│ Order Status │

│ (Display/Email) │

└─────────────────┘

**Ex:** The Data Flow Chart depicts how data moves through the system—from the moment a user submits an order or inquiry, through validation, processing, storage in the database, and finally output (such as confirmation emails or on-screen status updates). I selected this chart type because it provides a focused look at the data lifecycle, ensuring that data handling is both efficient and secure.

[User Initiates Order]

│

▼

┌─────────────────┐

│ Is User Logged In? │

└───────┬────────┘

│

┌──────────┴──────────┐

Yes No

│ │

▼ ▼

[Proceed to Order] [Prompt Login/Signup]

│

▼

┌───────────────────┐

│ Validate Payment?│

└───────┬───────────┘

│

┌──────┴───────┐

Yes No

│ │

▼ ▼

[Confirm Order] [Show Error & Retry]

**Ex:** This Decision Flow Chart focuses on the key decision points in the order process. For example, it checks whether the user is logged in and whether the payment method is valid. Each decision diamond leads to a different branch, dictating subsequent actions (such as proceeding with the order or prompting the user to correct an error). I chose the decision flow chart format because it visually clarifies the branching logic within our system, making it easier to understand the outcomes of various conditions.

|  |  |  |  |
| --- | --- | --- | --- |
| Project Manager | Designers | Developers | QA |
| Initiate Project & Define Scope | Create UI/UX Mockups and Prototypes | Develop Front-end and Back-end | Run Test & Report Bugs |
| Monitor Progress &Implement Fixes & Validate Fixes Coordinate Teams |  | Implement Fixes & Deploy Features | Validate Fixes |

**Ex:** The Swimlane Flow Chart divides the process into lanes that correspond to the roles of each team member—Project Manager, Designers, Developers, and QA. Each lane contains tasks specific to that role, and the flow shows how responsibilities pass from one team to another throughout the project. I chose this format because it clearly delineates who is responsible for what, ensuring that handoffs are smooth and accountability is maintained**.**

* By creating and explaining these 6 flow charts, I have demonstrated a thorough understanding of different process perspectives and ensured that all aspects of the website development for our Uzbek food truck company are clearly planned and communicated.