Work Breakdown Structure (WBS): Bazaar App

WBS Code	Task Name	Description	Responsible Person	Start Date	End Date	Duration	Predecessors
1.0	**Project Management**	**Overall project planning, execution, and control for a compressed 7-week timeline.**	**Project Manager**	**02-Aug-25**	**10-Oct-25**	**10 Weeks**	**-**
1.1	Weekly Team Meetings	Conduct weekly sync-ups to track progress, discuss risks, and plan next steps.	Project Manager	02-Aug-25	16-Oct-25	10 Weeks	-
1.2	Documentation Management	Create and maintain all project documents (Charter, Scope, Plan, Reports).	Project Manager	02-Aug-25	17-Oct-25	10 Weeks	-
2.0	**Phase 1: Planning & Requirements**	**Define the project scope, objectives, and detailed functional requirements.**	**Project Manager**	**02-Aug-25**	**14-Aug-25**	**2 Week**	**-**
2.1	Finalize Project Charter & Scope	Review and get final approval on the Project Charter and Scope Statement.	Project Manager	02-Aug-25	03-Aug-25	1 Day	-
2.2	Develop Project Schedule	Create a detailed project schedule with milestones	Project Manager	03-Aug-25	04-Aug-25	1 Day	2.1

		and deadlines.					
2.3	Gather User Stories & Requirements	Brainstorm and document detailed user stories and functional requirements for the MVP.	Project Manager	04-Aug-25	20-Aug-25	12 Days	2.2
2.4	Create Requirements Document (SRS)	Compile all requirements into a formal Software Requirement Specification document for sign-off.	Project Manager	20-Aug-25	21-Aug-25	1 Day	2.3
3.0	**Phase 2: Design & Prototyping**	**Create the visual design, user experience, and system architecture.**	**UI/UX Designer**	**19-Aug-25**	**28-Aug-25**	**2 weeks**	**2.4**
3.1	Create UI/UX Design	Develop High-fidelity wireframes for all app screens.	UI/UX Designer	19-Aug-25	24-Aug-25	5 Days	2.4
3.2	Create Clickable Prototype	Build an interactive, clickable prototype in Figma to simulate user flow.	UI/UX Designer	24-Aug-25	25-Aug-25	2 Days	3.2
3.3	Design System Architecture	Plan the overall technical architecture, including database schema and API structure.	Backend Lead	20-Aug-25	28-Aug-25	8 Days	3.1
4.0	**Phase 3: Development**	**Build the functional prototype of the Kirana app.**	**Dev Team Lead**	**29-Aug-25**	**25-Sep-25**	**4 weeks**	**3.1, 3.2, 3.3**

4.1	Setup Development Environment	Configure backend, frontend, and database environments; set up version control (Git).	Dev Team Lead	29-Aug-25	30-Aug-25	2 Days	3.3
4.2	Backend Development	Build the server-side logic, APIs, and database.	Backend Lead	31-Aug-25	20-Sep-25	2 weeks	4.1
4.2.1	User Authentication API	Develop APIs for user registration (phone/email) and login.	Backend Dev	31-Aug-25	1-Sep-25	2 Days	4.1
4.2.2	Chat Service API	Build APIs for sending/receiving messages and managing chat privacy features.	Backend Dev	2-Sep-25	8-Sep-25	6 Days	4.2.1
4.2.3	Bazaar & Seller API	Create APIs for seller profile creation, product listing, and location-based discovery.	Backend Dev	8-Sep-25	14-Sep-25	6 Days	4.2.1
4.3	Frontend Development	Build the user interface and connect it to the backend APIs.	Frontend Lead	1-Sep-25	15-Sep-25	2 weeks	3.1, 4.2
4.3.1	Implement User & Chat Screens	Develop the UI for registration, login, and the main chat interface.	Frontend Dev	1-Sep-25	12-Sep-25	12 Days	4.2.2
4.3.2	Implement Bazaar Screens	Develop the UI for the marketplace, seller profiles, and product views.	Frontend Dev	13-Sep-25	25-Sep-25	17 Days	4.2.3

5.0	Phase 4: Testing & Deployment	Test the application for bugs and deploy it to a staging server.	QA Lead	26-Sep-25	5-Oct-25	10 Days	4.2, 4.3
5.1	Integration Testing	Test the interaction between frontend and backend components to ensure they work together.	QA Lead	26-Sep-25	29-Sep-25	3 Days	4.2, 4.3
5.2	User Acceptance Testing (UAT)	Have a small test group use the app to provide feedback and identify bugs.	QA Lead	30-Sep-25	1-Oct-25	2 Days	5.1
5.3	Bug Fixing	Address all critical issues and bugs identified during testing.	Dev Team Lead	1-Oct-25	4-Oct-25	4 Days	5.2
5.4	Deploy to Staging Server	Deploy the final prototype to a live server for the final presentation.	Backend Lead	4-Oct-25	5-Oct-25	1 Day	5.3
6.0	Phase 5: Project Closure	Finalize documentation and prepare for the final project presentation.	Project Manager	6-Oct-25	10-Oct-25	4 Days	5.4
6.1	Prepare Final Report	Write the final project report, including achievements, challenges, and learnings.	Project Manager	6-Oct-25	7-Oct-25	2 Day	5.4
6.2	Prepare Presentation	Create the presentation slides and rehearse the final project	Project Manager	8-Oct-25	9-Oct-25	1 Day	6.1

		demonstration.					
6.3	Final Project Submission	Submit all project deliverables and present the final prototype to the course instructor.	Project Manager	10-Oct-25	10-Oct-25	1 Day	6.2