

Skinmate WBS Spreadsheet						
Milestone	ID	Task	ID	Task	Owner	Duration (Days)
1. Finalize UI Design & Prototyping	1.1	UI/UX Design (Mockups & Klar Approval)	1.1.1	Wireframes and Mockups Creation	UI/UX Designer	7
			1.1.2	Design Review with Klar	UI/UX Designer & Klar Team	3
			1.1.3	Finalize UI/UX Design	UI/UX Designer	5
	1.2	System Architecture Design	1.2.1	Define AI and Product Recommendation Engine Architecture	SW Architect, AI/ML Specialist	7
			1.2.2	Design Backend Infrastructure	Backend Developer & SW Architect	7
			1.2.3	Database Schema Design	Backend Developer & SW Architect	5
2. Development Phase 1 (AI Algorithm & Database Integration)	2.1	AI Development	2.1.1	Develop Skin Analysis Algorithm	AI/ML Specialist	10
			2.1.2	Train AI Model with Data	AI/ML Specialist	8
			2.1.3	Test AI for Product Recommendation Accuracy	AI/ML Specialist, Dermatologists	5
	2.2	Product Database Integration	2.2.1	Build Product Database	Backend Developer	7
			2.2.2	Integrate Product Information (Ingredients, Skin/Hair Types)	Backend Developer	5
			2.2.3	Implement Product Matching Algorithm	Backend Developer & AI/ML Specialist	6
3. Development Phase 2 (App & Backend)	3.1	App Development	3.1.1	Develop Android App	Flutter Developer	10
			3.1.2	Develop iOS App	Flutter Developer	10
			3.1.3	User Interface Implementation (Photo Upload, User Input)	Flutter Developer & UI/UX Designer	8
	3.2	Backend Development	3.2.1	Build User Registration and Authentication System	Backend Developer	7
			3.2.2	Implement AI Processing System	Backend Developer	7
			3.2.3	Create Product Recommendation Engine	Backend Developer & AI/ML Specialist	8
4. Testing & Quality Assurance	4.1	AI and Product Recommendation Testing	4.1.1	Test Skin Analysis on Sample Data	QA Specialist, Dermatologists	5
			4.1.2	Validate Product Recommendations	QA Specialist, Dermatologists	4
			4.1.3	Review AI Output with Dermatologists & Refine AI Algorithm Based on Feedback	AI/ML Specialist & Dermatologists	6
	4.2	App Functionality Testing	4.2.1	Usability Testing for User Interface	QA Specialist	5
			4.2.2	Functional Testing for Core Features (User Registration, Photo Upload)	QA Specialist	5
	4.3	Security and Data Protection Review	4.3.1	Ensure Data Protection and Privacy Compliance	QA Specialist & Backend Developer	4
			4.3.2	Penetration Testing	Pentester	5
5. Ongoing Maintenance & Updates (Landing)	5.1	Ongoing Updates			AI/ML Specialist, Backend Developer, QA Specialist	3 months
	5.2	Improve the AI Algorithm within the first 6 months after launch			AI/ML Specialist	6 months

	5.3	Provide technical support during the first 3 months post-launch	Backend Developer, Flutter Developer	3 months
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