Work Breakdown Structure (WBS)
Grow Trade Net

ALL	TASK NAME	DURATION	PLANNED START...	PLANNED FINISH ...	ASSIGNED	PERCENT COM...	PRIORITY	COMPLETE	STATUS
1	1.Project Initiation	12 days	2023-05-15	2023-05-30	Lakmal,Shalani,Thilan,Viduranga	100%	Medium	■	Done
2	1.1 Define Project Scope and Objectives	1 day	2023-05-15	2023-05-15		100%	Medium	■	Done
3	1.2 Identify Stakeholders and User Groups	1 day	2023-05-15	2023-05-15		100%	Medium	■	Done
4	1.3 Conduct Feasibility Study	1 day	2023-05-22	2023-05-22		100%	Medium	■	Done
5	1.4 Develop Project Charter	1 day	2023-05-30	2023-05-30		100%	Medium	■	Done
6									
7	2.Requirements Gathering and Analysis	74 days	2023-05-10	2023-08-21	Lakmal,Shalani,Thilan,Viduranga	100%	Very High	■	Done
8	2.1 Gather Functional Requirements from Stakeholders	4 days	2023-05-22	2023-05-25		100%	Very High	■	Done
9	2.2 Analyze User Stories and Use Cases	2 days	2023-06-27	2023-06-28		100%	Very High	■	Done
10	2.3 Identify Non-Functional Requirements	7 days	2023-07-10	2023-07-18		100%	Very High	■	Done
11	2.4 Create Requirement Specifications Document	1 day	2023-08-21	2023-08-21		100%	Very High	■	Done
12									
13	3.Design and Architecture	53 days	2023-08-09	2023-10-20	Lakmal,Shalani,Thilan,Viduranga	100%	Very High	■	Done
14	3.1 Database Design	1 day	2023-10-06	2023-10-06	Lakmal,Viduranga	100%	Very High	■	Done
15	3.2 User Interface (UI) Design	1 day	2023-10-20	2023-10-20		100%	Very High	■	Done
16	3.3 Application Architecture Design	1 day	2023-08-09	2023-08-09		100%	Very High	■	Done
17	3.4 API Design and Documentation	7 days	2023-10-10	2023-10-18		100%	Very High	■	Done
18									
19	4.Frontend Development	30 days	2023-08-24	2023-10-04	Lakmal,Shalani,Thilan,Viduranga	30%	Very High	■	Doing
20	4.1 Create Farmers Module UI	3 days	2023-10-02	2023-10-04	Viduranga	70%	Very High	☐	Doing
21	4.2 Create Fertilizer Sellers Module UI	1 day	2023-08-29	2023-08-29	Lakmal	70%	Very High	☐	Doing
22	4.3 Create Exporters Module UI	6 days	2023-09-20	2023-09-27	Thilan	70%	Very High	☐	Doing
23	4.4 Create Wholesale Persons Module UI	1 day	2023-09-08	2023-09-08	Shalani	70%	Very High	☐	To Do
24	4.5 Implement User Authentication and Authorization	1 day	2023-08-24	2023-08-24	Lakmal,Viduranga		Very High	☐	To Do
25	4.6 Implement Crop Recommendation Feature	1 day	2023-08-24	2023-08-24	Lakmal,Viduranga		Very High	☐	To Do
26	4.7 Implement Inbox for Communication	1 day	2023-08-24	2023-08-24			Very High	☐	To Do
27	4.8 Implement Ads Viewing and Posting Features	1 day	2023-08-24	2023-08-24			Very High	☐	To Do
28	4.9 Implement Weather Reports Feature	1 day	2023-09-12	2023-09-12			Very High	☐	To Do
29									
30	5.Backend Development	17 days	2023-10-25	2023-11-16	Lakmal,Shalani,Thilan,Viduranga		Critical	■	To Do
31	5.1 Set up Server and Hosting Environment	1 day	2023-11-01	2023-11-01			Critical	☐	To Do
32	5.2 Implement User Registration and Login Functionality	1 day	2023-11-03	2023-11-03			Critical	☐	To Do
33	5.3 Develop APIs for Crop Recommendation	1 day	2023-11-08	2023-11-08	Lakmal,Viduranga		Critical	☐	To Do
34	5.4 Implement Inbox Communication Functionality	1 day	2023-11-14	2023-11-14			Critical	☐	To Do
35	5.5 Create APIs for Ads Posting and Viewing	1 day	2023-11-16	2023-11-16			Critical	☐	To Do
36	5.6 Integrate Google Maps API for Location-based Features	4 days	2023-10-25	2023-10-30			Critical	☐	To Do
37									
38	6.User Modules Development	27 days	2023-11-17	2023-12-25			Very High	■	To Do
39	6.1 Farmers Module	1 day	2023-11-17	2023-11-17	Viduranga		Very High	☐	To Do
40	6.1.1 Implement Farmer Registration	1 day	2023-11-20	2023-11-20	Viduranga		Very High	☐	To Do
41	6.1.2 Develop Crop Recommendation Algorithm	1 day	2023-11-22	2023-11-22	Lakmal,Viduranga		Very High	☐	To Do
42	6.1.3 Create Ad Posting for Crops	1 day	2023-11-24	2023-11-24			Very High	☐	To Do
43	6.1.4 Integrate Weather Report API	1 day	2023-11-28	2023-11-28	Lakmal,Viduranga		Very High	☐	To Do
44	6.2 Fertilizer Sellers Module	1 day	2023-11-30	2023-11-30	Lakmal		Very High	☐	To Do
45	6.2.1 Implement Seller Registration	1 day	2023-12-01	2023-12-01	Lakmal		Very High	☐	To Do
46	6.2.2 Develop Ad Posting for Fertilizer Products	1 day	2023-12-04	2023-12-04	Lakmal		Very High	☐	To Do
47	6.2.3 Add Store Information and Product Listings	1 day	2023-12-05	2023-12-05	Lakmal,Viduranga		Very High	☐	To Do
48	6.3 Exporters Module	1 day	2023-12-08	2023-12-08	Thilan		Very High	☐	To Do
49	6.3.1 Implement Exporter Registration	1 day	2023-12-12	2023-12-12	Thilan		Very High	☐	To Do
50	6.3.2 Create Ad Posting for Export Needs	1 day	2023-12-14	2023-12-14	Thilan		Very High	☐	To Do
51	6.3.3 Implement Searching and Locating Farmers	1 day	2023-12-18	2023-12-18	Shalani,Thilan		Very High	☐	To Do
52	6.4 Wholesale Persons Module	1 day	2023-12-20	2023-12-20	Shalani		Very High	☐	To Do
53	6.4.1 Implement Wholesale Person Registration	1 day	2023-12-21	2023-12-21	Shalani		Very High	☐	To Do
54	6.4.2 Create Ad Posting for Wholesale Needs	1 day	2023-12-22	2023-12-22	Shalani		Very High	☐	To Do
55	6.4.3 Implement Searching and Locating Farmers	1 day	2023-12-25	2023-12-25	Shalani,Thilan		Very High	☐	To Do
56									
57	7.System Admin Module	9 days	2023-12-26	2024-01-05	Lakmal,Shalani,Thilan,Viduranga		Very High	■	To Do
58	7.1 Implement Admin Dashboard	1 day	2023-12-26	2023-12-26			Very High	☐	To Do
59	7.2 User Account Management Functionality	1 day	2023-12-27	2023-12-27			Very High	☐	To Do
60	7.3 Send Notifications and Announcements to Users	1 day	2023-12-28	2023-12-28			Very High	☐	To Do
61	7.4 Enforce Security Measures and Access Controls	1 day	2023-12-29	2023-12-29			Very High	☐	To Do
62	7.5 Set Up System Logs and Audit Trails	1 day	2024-01-01	2024-01-01			Very High	☐	To Do
63	7.6 Manage Application Settings	1 day	2024-01-02	2024-01-02			Very High	☐	To Do
64	7.7 Implement Localization and Internationalization Support	1 day	2024-01-03	2024-01-03			Very High	☐	To Do
65	7.8 Handle User Support Tickets	1 day	2024-01-04	2024-01-04			Very High	☐	To Do
66	7.9 Monitor System Health and Performance	1 day	2024-01-05	2024-01-05			Very High	☐	To Do
67									
68	8.Testing and Quality Assurance	6 days	2024-01-08	2024-01-15	Lakmal,Shalani,Thilan,Viduranga		Very High	■	To Do
69	8.1 Unit Testing of Individual Components	1 day	2024-01-08	2024-01-08			Very High	☐	To Do
70	8.2 Integration Testing of Modules	1 day	2024-01-09	2024-01-09			Very High	☐	To Do
71	8.3 User Acceptance Testing (UAT)	1 day	2024-01-10	2024-01-10			Very High	☐	To Do
72	8.4 Performance Testing	1 day	2024-01-11	2024-01-11			Very High	☐	To Do
73	8.5 Security Testing	1 day	2024-01-12	2024-01-12			Very High	☐	To Do
74	8.6 Bug Fixes and Issue Resolution	1 day	2024-01-15	2024-01-15			Very High	☐	To Do
75									
76	9.Documentation and Training	3 days	2024-01-16	2024-01-18	Lakmal,Shalani,Thilan,Viduranga		Medium	■	To Do
77	9.1 Prepare Technical Documentation	1 day	2024-01-16	2024-01-16			Medium	☐	To Do
78	9.2 Create User Manuals and Guides	1 day	2024-01-17	2024-01-17			Medium	☐	To Do
79	9.3 Conduct Training for Users and Administrators	1 day	2024-01-18	2024-01-18			Medium	☐	To Do
80									
81	10.Deployment and Post-Deployment Support	4 days	2024-01-19	2024-01-24	Lakmal,Shalani,Thilan,Viduranga		Critical	■	To Do
82	10.1 Prepare Application for Production Deployment	1 day	2024-01-19	2024-01-19			Critical	☐	To Do
83	10.2 Deploy Application on Hosting Server	1 day	2024-01-22	2024-01-22			Critical	☐	To Do
84	10.3 Monitor Application After Deployment	1 day	2024-01-23	2024-01-23			Critical	☐	To Do
85	10.4 Provide Ongoing Support and Maintenance	1 day	2024-01-24	2024-01-24			Critical	☐	To Do
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