D	0	Task	Task Name	Duration	Start	Finish	Predecess	Resource Names
0		-	Crypto Trading Bot	112 days	Wed 8/20/25	Thu 1/22/26		
1		-	Feasibility Study	8 days	Wed 8/20/25	Fri 8/29/25		
2		-5	Conduct feasibility study for crypto trading bot concept	1 day	Wed 8/20/25	Wed 8/20/25		Waqar (PM)
3		-5	Perform market analysis for existing crypto trading platforms	2 days	Thu 8/21/25	Fri 8/22/25	2	Waqar (PM)
4		-5	Study user behavior and expectations in crypto trading automation	2 days	Mon 8/25/25	Tue 8/26/25	3	Waqar (PM)
5		-5	Develop initial project concept note and presentation	1 day	Wed 8/27/25	Wed 8/27/25	4	Waqar (PM)
6		-5	Finalize feasibility study report and obtain stakeholder approval	2 days	Thu 8/28/25	Fri 8/29/25	5	Waqar (PM)
7		-5	Scope	4 days	Mon 9/1/25	Thu 9/4/25		
8		-5	Determine overall project scope and objectives	1 day	Mon 9/1/25	Mon 9/1/25	6	Management
9		-	Define business goals and success metrics	1 day	Tue 9/2/25	Tue 9/2/25	8	Management
10		-5	Secure project sponsorship and stakeholder alignment	1 day	Wed 9/3/25	Wed 9/3/25	9	Waqar (PM)
11		-5	Define resource requirements and assign key roles	1 day	Thu 9/4/25	Thu 9/4/25	10	Waqar (PM)
12		-	Finalize Scope Statement	0 days	Thu 9/4/25	Thu 9/4/25	11	
13		-5	Analysis/Software Requirements	10.5 days	Tue 9/2/25	Tue 9/16/25		
14		-	Conduct needs analysis	2 days	Tue 9/2/25	Wed 9/3/25	8	Muhammad (Analyst)
15		-9	Draft preliminary software specifications	3 days	Thu 9/4/25	Mon 9/8/25	14	Muhammad (Analyst)
16		-5	Develop preliminary budget	2 days	Tue 9/9/25	Wed 9/10/25	15	Waqar (PM)
17		-5	Review software specifications/budget with team	1 day	Thu 9/11/25	Thu 9/11/25		Waqar (PM),Muhammad
18		-3	Incorporate feedback on software specifications	1 day	Fri 9/12/25	Fri 9/12/25	17	Muhammad (Analyst)
19		-	Develop delivery timeline	1 day	Mon 9/15/25	Mon 9/15/25	18	Waqar (PM)
20		-5	Obtain approvals to proceed (concept, timeline, budget)	4 hrs	Tue 9/16/25	Tue 9/16/25	19	Management,Waqar (PM)
21		-5	Requirements and Analysis complete	0 days	Tue 9/16/25	Tue 9/16/25	20	

	Task Mod	Task Name	Duration	Start	Finish	Predecess	Resource Names
22	- Ivida	Design	14 days	Tue 9/16/25	Mon 10/6/25		
23	-9	Design system architecture and backend structure	4 days	Tue 9/16/25	Mon 9/22/25	21	Muhammad (Analyst)
24		Create detailed API design for trading, news, and market data modules	5 days	Tue 9/16/25	Tue 9/23/25	21	Waqar (Dev)
25	-5	Design database schema for storing user configurations and trade history	4 days	Tue 9/23/25	Mon 9/29/25	24	Waqar (Dev)
26	-	Develop wireframes for frontend UI/UX	2 days	Mon 9/29/25	Wed 10/1/25	25	Asad (QA), Muhammad
27	-5	Conduct design review and incorporate feedback	2 days	Wed 10/1/25	Fri 10/3/25	26	Muhammad (Dev)
28		Prepare final UI mockups and design approval	1 day	Fri 10/3/25	Mon 10/6/25	27	Management,Waqar (PM)
29	-	Design complete	0 days	Mon 10/6/25	Mon 10/6/25	28	
30	-	Development	34 days	Mon 10/6/25	Fri 11/21/25		
31	4	Frontend Development	20 days	Mon 10/6/25	Mon 11/3/25	29	
32	-	Set up frontend framework and environment (React/Next.js or similar)	2 days	Mon 10/6/25	Wed 10/8/25		
33	-5	Implement responsive layouts and UI components	3 days	Wed 10/8/25	Mon 10/13/25	32	Muhammad (Dev)
34	-5	Integrate Firebase Authentication and user session handling	3 days	Mon 10/13/25	Thu 10/16/25	33	Muhammad (Dev)
35	-9	Develop watchlist feature for live market data	3 days	Thu 10/16/25	Tue 10/21/25	34	Muhammad (Dev)
36	-9	Implement news feed interface for crypto updates	4 days	Tue 10/21/25	Mon 10/27/25	35	Muhammad (Dev)
37	-9	Build configuration screens for trading bot parameters	4 days	Mon 10/27/25	Fri 10/31/25	36	Muhammad (Dev)
38	-	Perform UI testing and ensure cross-device compatibility	1 day	Fri 10/31/25	Mon 11/3/25	37	Muhammad (Dev)
39	4	Backend Development	34 days	Mon 10/6/25	Fri 11/21/25	29	
40		Set up Flask API and configure server environment	3 days	Mon 10/6/25	Thu 10/9/25		Waqar (Dev)
41		Implement MT5 connectivity and trading execution logic	3 days	Thu 10/9/25	Tue 10/14/25	40	Waqar (Dev)

D	0	Task Mode	Task Name	Duration	Start	Finish	Predecess	Resource Names
42		-5	Develop endpoints for news retrieval and live market data	8 days	Tue 10/14/25	Fri 10/24/25	41	Waqar (Dev)
43		-9	Create API for user bot configuration and parameter updates	8 days	Fri 10/24/25	Wed 11/5/25	42FS-75%	Waqar (Dev)
44		-9	Implement logging and monitoring mechanisms	2 days	Wed 11/5/25	Fri 11/7/25	43	Waqar (Dev)
45		-5	Conduct unit testing and debugging of backend modules	2 days	Fri 11/7/25	Tue 11/11/25	44	Waqar (Dev)
46		-5	Integration with Frontend and APIs	4 days	Tue 11/11/25	Mon 11/17/25	38,45	
47		-	Initial Integration test for correctness	4 days	Mon 11/17/25	Fri 11/21/25	46	
48		-	Testing	66 days	Mon 10/6/25	Tue 1/6/26		
49		-9	Develop unit test plans using product specifications	2 days	Mon 10/6/25	Wed 10/8/25	29	Asad (QA)
50		-5	Develop integration test plans using product specifications	2 days	Mon 10/6/25	Thu 10/9/25	29	Asad (QA)
51		-	Unit Testing	16 days	Fri 11/21/25	Mon 12/15/2		
52		-3	Review modular code for Flask APIs, trading logic functions, and data models.	5 days	Fri 11/21/25	Fri 11/28/25	49,45,47	Asad (QA)
53		-5	Test each backend component (MT5 connection handler, news API, data fetcher, bot controller) against defined specifications.	2 days	Fri 11/28/25	Tue 12/2/25	45,52	Asad (QA)
54		-5	Validate data consistency in trade execution, stop loss, and take profit calculations.	2 days	Tue 12/2/25	Thu 12/4/25	53	Asad (QA)
55		-5	Identify functional anomalies or logic mismatches in trade decision-making or API responses.	2 days	Thu 12/4/25	Mon 12/8/25	54	Asad (QA)
56		-5	Modify and debug faulty modules or logic errors.	3 days	Mon 12/8/25	Thu 12/11/25	55	Asad (QA)
57		-5	Re-test modified backend modules until all unit tests pass successfully.	2 days	Thu 12/11/25	Mon 12/15/25	56	Asad (QA)
58		4	Unit testing complete.	0 days	Mon 12/15/25	Mon 12/15/25	57	Asad (QA)
59		-	Integration Testing	16 days	Mon 12/15/25	Tue 1/6/26		

)	0	Task 1	Task Name	Duration	Start	Finish	Predecess	Resource Names
60		-5	Test integration between frontend (React/Next.js) and backend Flask APIs.	5 days	Mon 12/15/25	Mon 12/22/25	58	Asad (QA)
61		-9	Validate synchronization of live market data, user configurations, and MT5 trading operations.	2 days	Mon 12/22/25	Wed 12/24/25	60	Asad (QA)
62		-5	Test real-time updates in the user interface for trade status and market data feed.	2 days	Wed 12/24/25	Fri 12/26/25	61	Asad (QA)
63		-5	Identify integration anomalies (data delays, trade mismatch, or response errors).	2 days	Fri 12/26/25	Tue 12/30/25	62	Asad (QA)
64		-5	Modify code or API interfaces to fix integration issues.	3 days	Tue 12/30/25	Fri 1/2/26	63	Asad (QA)
65		-5	Re-test integrated system to ensure seamless end-to-end operation.	2 days	Fri 1/2/26	Tue 1/6/26	64	Asad (QA)
66		-	Integration testing complete.	0 days	Tue 1/6/26	Tue 1/6/26	65	
67		-5	Training	12.5 days	Tue 1/6/26	Thu 1/22/26		
68		-	Develop training specifications for end users	3 days	Tue 1/6/26	Fri 1/9/26	66	Trainers
69		-5	Identify training delivery methodology (computer based training, classroom, etc.)	2 days	Tue 1/6/26	Mon 1/12/26	66	Trainers
70		-	Develop training materials	2 days	Tue 1/13/26	Wed 1/14/26	68,45,69	Trainers
71		-	Conduct training usability study	4 days	Thu 1/15/26	Tue 1/20/26	70	Trainers
72		-	Develop training delivery mechanism	2 days	Wed 1/21/26	Thu 1/22/26	71	Trainers
73		-	Training materials complete	0 days	Thu 1/22/26	Thu 1/22/26	72	
74		-5	Documentation	8 days	Tue 1/6/26	Fri 1/16/26		
75		-5	Develop Help Specification	1 day	Thu 1/15/26	Fri 1/16/26	66	Technical Comm
76		-5	Review Help documentation	3 days	Mon 1/12/26			Technical Comm
77		-5		2 days	Tue 1/6/26	Thu 1/8/26		Technical Comm
78		-5	Incorporate user documentation feedback	2 days	Thu 1/8/26	Mon 1/12/26	77	Technical Comm
79		-5	Documentation complete	0 days	Mon 1/12/26	Mon 1/12/26	78	
80		-5	Deployment	5 days	Mon 1/12/26	Mon 1/19/26		
81		-5	• • • • • • • • • • • • • • • • • • • •	1 day	Mon 1/12/26	Tue 1/13/26		Asad (DevpOps)
82		-5	Develop deployment methodology	1 day	Tue 1/13/26	Wed 1/14/26	81	Asad (DevpOps)

ID	0	Task Mode	Task Name	Duration	Start	Finish	Predecess	Resource Names
83		-5	Secure deployment resources	1 day	Wed 1/14/26	Thu 1/15/26	82	Asad (DevpOps)
84		4	Train support staff	1 day	Thu 1/15/26	Fri 1/16/26	83	Asad (DevpOps)
85		4	Deploy software	1 day	Fri 1/16/26	Mon 1/19/26	84	Asad (DevpOps)
86		4	Deployment complete	0 days	Mon 1/19/26	Mon 1/19/26	85	
87		4	Post Implementation Review	3 days	Mon 1/19/26	Thu 1/22/26		
88		4	Document lessons learned	1 day	Mon 1/19/26	Tue 1/20/26	86	Waqar (PM)
89		4	Distribute to team members	1 day	Tue 1/20/26	Wed 1/21/26	88	Waqar (PM)
90		4	Create software maintenance team	1 day	Wed 1/21/26	Thu 1/22/26	89	Waqar (PM)
91		-5	Post implementation review complete	0 days	Thu 1/22/26	Thu 1/22/26	90	
92		4	Software development template complete	0 days	Thu 1/22/26	Thu 1/22/26	91	