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ID		Task Mode
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SafeZone Kharwastan mobile application

ID		Task Mode
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SafeZone Kharwastan mobile application		
Task Name	Duration	
SafeZone Kharwastan mobile application	13.1 mons	
1.0 Cross-Platform Mobile Application	0.75 mons	
1.1 UI/UX Design and Prototype	0.3 mons	
1.1.1 Create UI wireframes and layout	0.05 mons	
1.1.2 Build interactive app prototype	0.1 mons	
1.1.3 Conduct design testing and feedback loop	0.15 mons	
1.2 App Development and Deployment	0.75 mons	
1.2.1 Develop front-end interface (Flutter)	0.2 mons	
1.2.2 Connect backend and database	0.25 mons	
1.2.3 App Store and Play Store deployment	0.05 mons	
2.0 Emergency SOS and Alert Feature Module	1.25 mons	
2.1 Emergency SOS Function	1 mon	
2.1.1 Build SOS button functionality with location sharing	0.25 mons	
2.1.2 Integrate offline-first logic and auto-send	0.05 mons	
2.1.3 Conduct emergency scenario testing	0.05 mons	
2.2 Real-Time Alerts and Notifications	1.25 mons	
2.2.1 Create verified crime alert module	0.25 mons	
2.2.2 Implement push notification system	0.25 mons	
2.2.3 Link alert system to CPF and SAPS contacts	0.05 mons	
3.0 Admin and Moderation Dashboard	13.05 mons	
3.1 Dashboard Interface and Admin Tools	0.05 mons	
3.1.1 Design dashboard layout	0.05 mons	
3.1.2 Build admin functions for report moderation	0.05 mons	
3.1.3 Test usability with CPF moderators	0.05 mons	
3.2 System Integration and Access Control	1.5 mons	
3.2.1 Integrate dashboard with app backend	0.25 mons	
3.2.2 Link live alerts and incident logs to dashboard	0.05 mons	
3.2.3 Develop user access permissions	0.05 mons	
3.3 Security Implementation	11.8 mons	
3.3.1 Implement app security protocols (authentication and authorisation)	0.25 mons	
3.3.2 Encrypt sensitive user data (location, incident reports)	0.05 mons	
3.3.3 Perform security vulnerability assessment and patching	0.05 mons	
4.0 Community Engagement and Training Toolkit	1.95 mons	
4.1 Training Content Development	1.95 mons	
4.1.1 Create user manuals and quick-start guides	0.2 mons	
4.1.2 Produce instructional videos	0.05 mons	
4.1.3 Translate materials into local languages	0.05 mons	
4.2 Community Awareness Campaign	0.05 mons	
4.2.1 Host CPF and community workshops	0.05 mons	
4.2.2 Distribute flyers, posters, and digital ads	0.05 mons	
4.2.3 Gather feedback via surveys and forms	0.05 mons	
5.0 Monitoring, Evaluation, and Final Report	13.1 mons	
5.1 Performance Monitoring and Feedback	0.05 mons	
5.1.1 Collect usage and performance metrics	0.05 mons	
5.1.2 Conduct in-app satisfaction surveys	0.05 mons	
5.1.3 Identify recurring bugs and system gaps	0.05 mons	
5.2 Application Testing	1.75 mons	
Page 3		

SafeZone Kharwastan mobile application

Task Name	Duration
5.2.1 Conduct functionality testing across platforms (Android and iOS)	0.25 mons
5.2.2 Perform usability and accessibility testing	0.05 mons
5.2.3 Execute performance and stress testing (network load simulation)	0.05 mons
5.3 Final Evaluation and Reporting	1 mon
5.3.1 Compile monitoring and evaluation report	0.05 mons
5.3.2 Present final report to stakeholders	0.05 mons
5.3.3 Archive final project documentation	0.05 mons

SafeZone Kharwastan mobile application

Start	Finish	Resource Names	Cost Stack
Mon 4/28/25	Tue 4/28/26		1,750,000
Mon 4/28/25	Fri 5/16/25		
Mon 4/28/25	Mon 5/5/25		
Mon 4/28/25	Mon 4/28/25	Alyssia	83,333
Tue 4/29/25	Wed 4/30/25	Alyssia	83,333
Thu 5/1/25	Mon 5/5/25	Theshara	83,334
Mon 4/28/25	Fri 5/16/25		
Tue 5/6/25	Fri 5/9/25	Cameron	100,000
Mon 5/12/25	Fri 5/16/25	Cameron	100,000
Mon 4/28/25	Mon 4/28/25	Cameron	100,000
Mon 4/28/25	Fri 5/30/25		
Mon 4/28/25	Fri 5/23/25		
Mon 5/19/25	Fri 5/23/25	Cameron	70,000
Mon 4/28/25	Mon 4/28/25	Cameron	70,000
Mon 4/28/25	Mon 4/28/25	Alyssia	70,000
Mon 4/28/25	Fri 5/30/25		
Mon 5/19/25	Fri 5/23/25	Alyssia	63,333
Mon 5/26/25	Fri 5/30/25	Cameron	63,333
Mon 4/28/25	Mon 4/28/25	Theshara	63,334
Mon 4/28/25	Mon 4/27/26		
Mon 4/28/25	Mon 4/28/25		
Mon 4/28/25	Mon 4/28/25	Alyssia	51,666
Mon 4/28/25	Mon 4/28/25	Cameron	51,668
Mon 4/28/25	Mon 4/28/25	Theshara	51,666
Mon 4/28/25	Fri 6/6/25		
Mon 6/2/25	Fri 6/6/25	Cameron	51,666
Mon 4/28/25	Mon 4/28/25	Cameron	51,668
Mon 4/28/25	Mon 4/28/25	Alyssia	51,666
Mon 6/2/25	Mon 4/27/26		
Mon 6/2/25	Fri 6/6/25	Theshara	40,000
Mon 4/27/26	Mon 4/27/26	Theshara	35,000
Mon 4/27/26	Mon 4/27/26	Alyssia	35,000
Mon 4/28/25	Thu 6/19/25		
Mon 4/28/25	Thu 6/19/25		
Mon 6/16/25	Thu 6/19/25	Alyssia	40,000
Mon 4/28/25	Mon 4/28/25	Cameron	40,000
Mon 4/28/25	Mon 4/28/25	Theshara	40,000
Mon 4/28/25	Mon 4/28/25		
Mon 4/28/25	Mon 4/28/25	Theshara	43,333
Mon 4/28/25	Mon 4/28/25	Alyssia	43,333
Mon 4/28/25	Mon 4/28/25	Theshara	43,333
Mon 4/28/25	Tue 4/28/26		
Mon 4/28/25	Mon 4/28/25		
Mon 4/28/25	Mon 4/28/25	Alyssia	12,000
Mon 4/28/25	Mon 4/28/25	Theshara	8,000
Mon 4/28/25	Mon 4/28/25	Cameron	10,000
Mon 4/28/25	Fri 6/13/25		

SafeZone Kharwastan mobile application

Start	Finish	Resource Names	Cost Stack
Mon 6/9/25	Fri 6/13/25	Alyssia	20,000
Mon 4/28/25	Mon 4/28/25	Cameron	20,000
Mon 4/28/25	Mon 4/28/25	Alyssia	20,000
Wed 4/1/26	Tue 4/28/26		
Wed 4/1/26	Wed 4/1/26	Theshara	12,000
Wed 4/8/26	Wed 4/8/26	Theshara	10,000
Tue 4/28/26	Tue 4/28/26	Alyssia	13,000

SafeZone Kharwastan mobile application

Predecessors	Milestone	Issue Name
	Yes	
	No	Push Notification System Bug
	No	Delay in Backend Integration
		No Incomplete Training Material
3		Yes App Testing Revealed Critical Bugs
4		Yes Security Encryption Failure
	No	
5		Yes
7		Yes
	No	
	No	
	No	
8		Yes
	No	
	No	
	No	
8		Yes
12,16		Yes
	No	
	No	
	No	
	No	
	No	
	No	
	No	
17		Yes
	No	
	No	
	No	
17		Yes
	No	
	No	
	No	
	No	
47		Yes
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	
	No	

SafeZone Kharwastan mobile application

Predecessors	Milestone	Issue Name
25,29	Yes	
	No	
	No	
	No	
34	Yes	
	No	
	No	

SafeZone Kharwastan mobile application

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SafeZone Kharwastan mobile application

Label	Assignee

SafeZone Kharwastan mobile application	
Milestone affected	
Page 12	

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SafeZone Kharwastan mobile application	
Project	
SafeZone Kharwastan mobile application	
SafeZone Kharwastan mobile application	
SafeZone Kharwastan mobile application	
SafeZone Kharwastan mobile application	
SafeZone Kharwastan mobile application	
SafeZone Kharwastan mobile application	
SafeZone Kharwastan mobile application	
SafeZone Kharwastan mobile application	
Page 14	