SafeZone Kharwastan mobile application

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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 authorisat	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**

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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

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**	**Cameron**	**550,000**	
Mon 4/28/25	**Mon 5/5/25**	**Alyssia**	**250,000**	
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**	**Cameron**	**300,000**	
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**	**Cameron**	**400,000**	
Mon 4/28/25	**Fri 5/23/25**	**Cameron**	**210,000**	
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**	**Alyssia**	**190,000**	
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**	**Alyssia**	**420,000**	
Mon 4/28/25	**Mon 4/28/25**	**Alyssia**	**155,000**	
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**	**Cameron**	**155,000**	
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**	**Cameron**	**110,000**	
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**	**Theshara**	**250,000**	
Mon 4/28/25	**Thu 6/19/25**	**Alyssia**	**120,000**	
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**	**Theshara**	**130,000**	
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**	**Theshara**	**130,000**	
Mon 4/28/25	**Mon 4/28/25**	**Alyssia**	**35,000**	
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**	**Theshara**	**60,000**	

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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**	**Theshara**	**35,000**
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	

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

SafeZone Kharwastan mobile application	
Label	Assignee
Functional Defect	**Alyssia**
Development Delay	**Cameron**
Documentation Gap	Theshara
QA/Testing Issue	Alyssia
Security Issue	Cameron

SafeZone Kharwastan mobile application	
Label	Assignee

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Milestone affected

GPS & Push Notifications (2.2.2 Implement push notification system)
Backend Design (1.2.2 Connect backend and database)
Community Training (4.1.1 Create user manuals and quick-start guides)
App Testing & QA (5.3.1 Conduct App Testing and Quality Assurance)
Security & Encryption (3.3.1 Implement App Security and Data Encryption)

SafeZone Kharwastan mobile application	
Milestone affected	

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