

Sub-teams Details								
Sub-team No.	Scrum Masters Details:		Number of Team Members	Member Name & ID (per row)		Microservice(s) to Implement	Design Patterns Used (per row)	Functionality (User Story) (per row)
	Name:	Email:		Name	ID			
1	Hazem AbdelGhany	hazem.elgammal@student.guc.edu.eg	4	Hazem Elgammal	52-8936	User & Auth Service, Session Caching, API Gateway	Singleton (Session), Strategy (For Login Sessions)	Login/Logout
				Marwan Mohamed	52-5426			Password Reset
				Abdullah Shaddad	52-5499			Give Access to Walet
				Ameer Sameh	52-1229			
2	Abdullah Hany	abdullah.bassiouny@student.guc.edu.eg	4	Abdullah Hany	52-0362	Notifications Service, Search Service, Message Queues	Notifications: Factory (for Notification Types), and(read, unread) Search: Strategy (Search Techniques (e.g. search by date, search by name)), Builder (different attributes of search)	Notification: send notification
				Seif Edris	52-4059			Notification: read/unread
				Nour Ashraf	52-0636			Notification: Reminder
				Ibrahim Rashad	52-5734			Search: Search
3	Sara Eladawy	Sarah.eladway@student.guc.edu.eg	4	Sara Eladawy	52-0689	Event Service, Booking Service, Deployment	Event: Builder (for event attributes), Factory (for t types of events) Booking: Chain of responisibilities (Paying)	Search: Ranking results By Date
				Mohamed Salah	52-1580			Search: Filtering
				Abdallah Gomaa	52-5823			Event Service: Singing up User in event
				Rana Lotfy	52-0615			Event Service: Get Events of specific user
Database Design								
Microservice Name		Database Type (SQL/NoSQL)		Database Design Description (Schema, Collections, Relationships, etc.)				
User		SupaBase, PostgreSQL, Redis Cache		User, Sessions(Cache), Supabase for authentications				
Event		NoSQL		Events(NoSQL), Seats(Object)				
Booking		PostgreSQL		Tickets, Payment				
Search								
Notification		NoSQL		Notification				
Technological Stack						Microservices Communication		
SQL Data Engine			SupaBase, PostgreSQL			Sync	User -> Booking, Booking -> Even, Booking -> User (Refund case to get acces to user walet)	
NoSQL Data Engine			Mongo			Async	User -> Search, Notifications -> Rest of Services, Payment -> Notification, User -> Notification	
Load Balancer			Kubernetes					
Main Scrum Master Details				Reflection Usage				
Name		Email						
Abdullah Hany		abdullah.bassiouny@student.guc.edu.eg		Location of Reflection Usage		In Notification Service (Command Pattern)		