

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	Bassem Ehab	bassukaehab@gmail.com	3	Bassem Ehab	52-3613	User, Cache(Session), API gateway	Singleton, Builder	login/logout
				mohamed wael	52-5786			reset password
				yehia khaled	52-4764			search for users
2	Youssef Mohamed		3	youssef mohamed	52-3585	Task, Kubernetes	Composite, Command	filter by tag
				mohamed mahran	52-1009			edit task priority
				ahmed mohamed	52-1599			assign task to certain flag
3	Omar Wael	omarfarag200261@gmail.com	3	Omar Mohamed	52-3856	Search, Board	Search: Strategy Board: Observer, Builder	Search: Search for task by name
				Omar alaa	52-5360			Search: Sort tasks search based on date
				Omar wael	52-21187			Search: filter by priority
4	Ahmed Yasser		3	ahmed mohamed yasser	52-17407	Reminder, Message Queues	Factory (templates of notification), Strategy	Board: invite users to board and assign roles
				seif el hariry	52-3716			Board: assign task for user
				ahmed haytham	52-1057			Board: group boards by category
Database Design								
Microservice Name		Database Type (SQL/NoSQL)		Database Design Description (Schema, Collections, Relationships, etc.)				
User		PostgreSQL		User				
Task		MongoDB		Task				
Board		MongoDB		Boards, Logs				
Reminder		MongoDB		Reminder, Notification templates				
Technological Stack						Microservices Communication		
SQL Data Engine			PostgreSQL			Sync(OpenFeign)	User--> All services, Task --> User , Task<--> board, Search-->Task	
NoSQL Data Engine			MongoDB			Async(RabbitMQ)	Task--> Reminder, Board--> Reminder	
Load Balancer			Kubernetes					
Main Scrum Master Details				Reflection Usage				
Name		Email						
Omar Mohamed		omarfarag200261@gmail.com		Location of Reflection Usage		In Reminder in templates types		