Group Project Marking Scheme

Your API should include at least **2 controllers**, and each controller needs to implement all 5 HTTP methods (GET, POST, PUT, PATCH and DELETE). In the real world, some methods (e.g., post) may only be available for internal user(s). In this project, you don't need to worry about them.

The due date for source code and project report is **December 1, 2023 (Friday)**. One group member submits the package to the dropbox on behalf of the whole group. The project needs to be demonstrated @Teams, and **pre-record video is not acceptable**.

	Mark	Weighted Mark
1. Proposal	**10**	5
2. Implementation	**45**	15
2.1 Data is in the cloud	2	
2.2 Use the repository pattern	2	
2.3 Implement DTO classes	4	
2.4 Http Get method, GetAll & GetByID	2*1	
2.5 Http Post method	2*1	
2.6 Http Put method	2*1	
2.7 Http Patch method	2*1	
2.8 Http Delete method	2*1	
2.9 Containerize your Web API and publish to AWS	2+2	
2.10 Manage your published API using Google Apigee	2	
2.11 Your API proxy policy should include "Verify API key"	1	
2.12 Generate portal to support your potential API client(s)	2	
2.13 Implement a client to consume the published API, the client can be Web app, mobile app or WPF app		
2.13.1 Instantiate HttpClient object	1	
2.13.2 invoke all 6 methods provided in your API, each method invocation is 1 mark	6*2	
Overall (performance, readability, maintainability, code quality)	5	
3 Presentation & Report	**20**	5
3.1 Presentation 3.1.1 present the functionalities 3.1.2 answer questions	5+5	
3.2 Revised proposal (e.g., adding project architecture)	3	
3.3 Data modeling document (e.g., ER diagram, sample data)	5	
3.4 Experience(s) gained & lessons learnt by doing the project	2	