Summative Assessment Programming Assignment 2 Server-Side Programming

Assessment Criteria

In more detail, the critreria and requirements are as follows:

Criteria	Marks/100
Functionality (Client and Server)	**45**
-Functionality (both Client: 15 marks, and Server: 30 marks)	
assessed by what is shown/demonstrated in the video (as per criteria below).	
Quality (Client and Server)	**45**
Quality (both Client: 15 marks, and Server: 30 marks)	
-Assessed by Assessor as per detailed criteria that follows.	
Video Presentation (2 minutes with penalty for going over time).	**10**
Client-side functionality	
1a: User Experience (UX): clean layout and minimal clicks/entry required	4
1b: App complexity: entities can be listed and edited	4
1c: 'Single page' style: asynchronous updates	7
Client-side quality	
2a: Standards compliant (HTML5)	3
2b: Responsive to different viewport sizes	4
2c: Gracefully disconnect, error messages and recommence on server restart	8
Server-side functionality	
3a: At least two entity types, with relationships	6
3b: REST API provides each entity	
with appropriate GET (at least 2)/POST (at least 1) methods	12
3c: Installs with *npm install*	6
3d: Starts with *npm start*	6
Server-side quality	
4a: Coding with development tools and frameworks (*Fetch, Express* etc) used	7
4b: Successful *eslint* (runs with *npm run pretest*)	3
4c: Successful *jest* tests with good coverage (runs with *npm test*)	8
4d: Coverage e.g. testing includes content-type and HTTP code	6
4e: Completeness of API documentation	6
Video Quality	
(a) Structure	3
(b) Visual Presentation	4
(c) Audio explanation	3
(d) Going overtime (over 2 mins)	**-10% per 10 secs**

You will lose 10% of marks for video presentation (10 marks), for every block of 10 seconds over 2 minutes. That is, if your video is 2 mins 1 second long, you lose 10%, if it's 2 mins 11 seconds long, you lose 20%, and so on.
You may view your marks along the following scale:

1. **Fail (**< 40**)** – Most of the basic requirements were not met; there are major errors in the website's functionality.
2. **Approaching expectations (**$40 - 59$**)** -Many requirements were met, with some issues in the design and development methods, and some minor functionality errors are present.
3. **Meeting expectations (**$60 - 79$**)** – The basic/mandatory quality/functionality requirements were mostly or all met; the website is fully or almost fully functional.
4. **Exceeding expectations (**≥ 80**)** – the website is fully functional, proficiently addressing all the criteria asked and possibly beyond, high quality code development.