



# *Salut Practical Devevelopment Test*

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12 January 2021



# Objective

The practical test is designed to test your ability to:

- Review and interpret a simple use case
- Test your design capability level
- Test your technical skills
  - Database design / connectivity
  - Service layer
  - Front end
  - General coding and error handling



## Expectations and Output

- This test is not to test how well you work as a graphic designer, but rather how you connect all the layers together. We would like to see how you think and approach a problem.
- The test runs for 1 hour. If you do not finish, it does not automatically disqualify you. We look at what you did and how you did it
- Focus should be on the “How” not the “What” – in other words, we want to see how you create an API or how you communicate with an API from a webpage. We are not concerned about the implementation of Bootstrap per se, or other graphical qualities
- The use case has hidden clues to what we are looking for – read it a few times before you start
- Once you have received the email with this overview, we will give you 1 hour to do what you can in the task
- You do not need to create all the functions to support the application. Choose a function that reads and writes to the database – for example get a list, and write a record. Validation would be an advantage but focus on the functionality first
- A login is not required
- Keep it simple, but show us what you can do!





## Expectations and Output

- Technology stack required:
  - SQL Server (or mongo)
  - .NET core WebAPI backend
  - ReactJS (or other) front end technology stack
- Delivery
  - After 1 hour, please package your solution and email a link to the solution source to [craig@gezondmetsalut.nl](mailto:craig@gezondmetsalut.nl)
  - This does not need to be deployed and can run locally on your machine
  - Please remember any database creation scripts.
- Feedback
  - We generally look at the code within 1-2 days and will advise the outcome

Good luck!

For any questions, please contact Craig Neill on +31623428910 (mobile) or [craig@gezondmetsalut.nl](mailto:craig@gezondmetsalut.nl)



## Case

I am the secretary of a sports club in the Netherlands. Our sports club currently offers only Tennis and Squash. We are in the process of creating a cricket pitch and a basketball court. In the future we may offer even more sports. Currently we manage all of our members in Excel and this is problematic for us. We have so many versions and cannot keep track of who is a member and who plays what sport. We need a new system that allows us to store the members firstname and surname and the sports that they play. Currently we are not sure if they play more than one sport. We would like to be have access to this in a central place where we all work on a single application. We may also want our members to access their sports at a later date.

Please help design us a solution.