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# Criterion A

## Defining the Problem

The Client, Dr. Ahmad al-Nasser, is a Dietitian who works at a local medical center, his job entails creating a meal plan for his customers based on their body specifications, my client Dr. Ahmad said that his customers usually visit him every 1-2 weeks and that some customers find it a struggle to visit him because they live far from the medical center or they have a rough time schedule, considering that Dr. Ahmad says he “sells a measuring scale that could measure every piece of information I need in order to update the customer with a new meal plan, and this information is communicated over the phone or WhatsApp”, so Dr. Ahmad is receiving the changes in his customers body and updating them with new meal plans over WhatsApp or over a phone call, however Dr. Ahmad thinks it’s not a very efficient solution for those who are incapable of visiting Dr. Ahmad every 1-2 weeks.

Therefore, after consulting him, I have suggested creating a Platform for Dr. Ahmad to make updating meal plans online more efficient, Dr. Ahmad said “I want the solution to be as simple as possible”, and he said “I want to make the user-experience very professional to the extent of making the customer feel like he is at the clinic” this was said in Q2 in interview 1.

## Rationale for Solution

My client needed a platform for doing everything a normal customer would do at the dietitian’s clinic, that includes, receiving the diet on your account, updating the dietitian with your recent progress, messaging the dietitian if there are any inquiries, submitting a form with what wasn’t appealing to you so it could be changed, etc. this could be the best-fit solution, to quote what Dr. Ahmad said “I would like to have the ability to send my patient a meal plan if he’s a new one, and I would like my patient to use my measuring scale that I sell and send me the new information regarding his body, and update him with a new meal plan through the website, basically I want all the functions that can make the patient feel like he is at the clinic” this was the answer to Q3 in interview 1.

I chose PHP for my website’s back-end because it is very easy to use and it has all the functions I need and it’s considered a classic language when it comes to building websites so I can find plenty of resources to go through in order to learn how to use it, I chose MySQL because it goes really well with PHP, as its very easy to connect to the database, I chose HTML and CSS for my Website’s Layout and Design based on my Adobe Photoshop experience, I felt that everything that could be done using Adobe Photoshop could be done using HTML and CSS, moreover it is very easy to learn, and I chose JavaScript because it is the only way to go when it comes to making the website responsive, it’s the only language that has a sufficient amount of resources, in addition, it is a really powerful and expressive language, and a lot of things could be done using it (The Benefits of PHP, MySQL, JavaScript, and CSS).

## Success Criteria

* The Website has a home screen that explains the purpose of the product
* The Website has a functional Signup and Login system
* The Client can create a meal plan and send it to a specific user
* The User can update the client with his/her progress
* The Website allows the client and the user to communicate through a ticket system
* The Website can automatically remind the dietitian and the user when the meal plan period expires
* The User can update the client with his status regarding the meal plan

# Bibliography

*The Benefits of PHP, MySQL, JavaScript, and CSS*. 2018. 9 September 2018.