

Deliverable B

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1. The client stated a number of constraints that must be kept under advisement over the duration of the project. The client stated that they would like to contact the University of Ottawa GNG2101 group 5 to construct a device that can enable the patients of Saint-Vincent Hospital to access the internet with ease, without having to reconnect and accept the terms and conditions every time they wish to use the internet. Bocar stated that the hospital changes the password every month but they receive the next two months of passwords in advance. Bocar also stated that the internet connection drops the users out and requires them to reconnect every 4 hours or so, this can be frustrating for those individuals that are physically impaired, and cannot easily reconnect to the internet and go through the login page with ease. Bocar also mentioned that there are a number of patients that have a variety of disabilities, entailing that one generalized solution may not be as beneficial, so the idea of having it applicable to all patients increases the effectiveness of the program. There are currently roughly 10 patients with disabilities that have issues with connecting to the internet on their own.

2. The following are the translated: the program will extract the password from a given document and proceed to input the data into the appropriate columns. The program will ensure that if and when the internet connection is lost, it will proceed to reconnect with minimal assistance from the user. The program will be accompanied by modulus hardware attachments that can be tailored to fit the patient's needs. The modulus capabilities will be able to assist patients with a variety of disabilities ranging from being visually impaired to having missing limbs.

3. A need arises for patients with different problems at Saint-Vincent hospital, who find it difficult to sign into wifi connections at home or workplaces. The client Bocar N'diaya requires a password manager software application with hardware components that vary following patients problem (eg; buttons), the software enable password autofill, stores passwords and creates new passwords every month. solving this problem makes wifi connection easy for Bocar.

4. Benchmarking improves performance by identifying and applying best-demonstrated practices to operations and sales. We will be comparing the performance of our products or processes externally with other competitors and best-in-class companies, and internally with past projects. examples of competitors are ios software and Wifi web login application. We will be using a scale of 1-5 where 5 is the best possible outcome.

Benchmarks	IOS Software	Wifi Web Login
Storage	2	5
Cost	5	2
Update	5	3

Customer service	4	4
Total	17	14

We used benchmarking to improve performance, understand relative cost position, gain a strategic advantage and increase the rate of organizational learning.

5. Metrics is a set of measurable values. The project revolves around Multiplatform Auto Login which at the moment has a lot of moving parts. Going into the specifications of the project, the most important criteria would be looking at software and hardware being put in the project. The metrics associated with the project are the increasing efficiency of the software and the device as the project finishes, how user-friendly is the device as patients use it in their daily lives, and how do the expenses fluctuate between as patients use more of the device.

6. A set of target specifications (both ideal and marginally acceptable values). Provide reasons for your choices.

- Efficiency: How efficient is the software and device? Does it allow the patient to connect to the wifi with minimal effort and complexity? Should take minimal effort and connect within two minutes.
- Modulus of hardware: We don't want too much hardware for the patient to store and have to move around if a room-change were to happen. Easy for transportation. The user will transport with them at most one device.
- User-friendly: We want all users to be able to use the device, meaning we have to have multiple devices to work with user's disability and needs. At least be able to connect when alone.
- Expense: The overall project can't reach a high number in expense due to limited funding. Maximum one hundred dollars.
- Software needs to be updated exactly once a month
- Hardware must work for all disabilities

7. A reflection on how the client meeting impacted your results and the process.

The client meeting was very eye-opening and taught us not to focus on one unique solution and to think very broadly opposed to a narrow thinking mindset. The impact the meeting had on our results and process was huge, it helped us out of thinking very specific and gave us a much better understanding of the client's needs and wants.

Initially, we have a very broad idea of what the client needed to be done in order to have a successful device. When we meet with Mr. Bocar N'diaye we got a much clearer idea of what needed to be done and how to go about this project. From what we understood from Mr. Bocar is that there are many patients with different disabilities so one unique solution wouldn't be sufficient in this case and wouldn't solve the problem. Now we are in the process of creating a

solution that can be interchangeable to the patient's needs, we are going to create a base solution that allows a trusted device to connect to the wifi every password restart phase and the device will be able to connect to different input demands that work with the customers needs.