**Project Proposal for Web Services**

“Bonjour-Sante clone”

**Team:** Anastassia Tarassova and Trang Trieu

**Project description:**

The project is a web-based platform designed as a clone of the Bonjour Santé appointment scheduling system. It will consist of two main components: a server-side REST API and a client-side user interface. The server will manage *user authentication, appointment booking, and medical professional scheduling*. The client-side interface will allow users to easily search for available appointments, view healthcare providers, and manage bookings. The platform aims to streamline appointment scheduling by providing real-time availability, reminders, and secure user data management. Users will have access to their appointment history and can easily cancel or reschedule appointments. The backend will be built with scalable technologies to ensure fast response times and reliability. This project will leverage modern web technologies to deliver a seamless user experience. The system will be designed with a focus on security, ensuring privacy and protection of sensitive medical information.

**Technologies used:**

* MySQL Workbench
* Visual Studio Code as IDE (can be Intellij IDEA or Visual Studio)
* Coolors.com for color palette
* Figma for front-end mock-up
* GitHub Desktop
* Trello for Kanban

**Additional libraries:**

* Nodemon
* Node Npm
* NPMLog
* Node express
* Sequelize
* JQuery
* Bootstrap

**Special features:**

* Real understanding of user stories (patients and clinicians)
* Medical history for each patient: allergies, associated healthcare providers, etc.
* CRU(D) of patient documentation (prescriptions, imagery, lab results)
* ((Push notifications for appointment reminders))
* ((Search by medical specialty))
* ((Location based-search (70km radius))
* ((Cloud storage))

**Challenging items:**

See ((items)) above

List of URLs:

/main

/login (GET existing patients)

/register (POST new patients)

/profile (PATCH patient profile)

/appointments (CRUD appointment)

/appointements/documents (GET patient documentation)

**Design of the database:**

You may use Visual Studio

or MS SQL database designer and take a screenshot

similar to http://i.stack.imgur.com/yQxfY.png

Try to keep it simple - no more than 3-4, maybe 5 tables.

Page 3 content:

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Use case diagram with one or more actors performing actions on the system

Page 4-5 content (2 pages):

**Screenshots:**

A screenshot of a computer

AI-generated content may be incorrect.

Do NOT put Login or three-field registration pages here.

**Questions to be discussed with Dr. Prokopski:**

* If provided appropriate resources and individual consultations, can we learn cloud hosting for this project?