

Psychic Octo Guacamole

Medi-Spoon

Request for Proposal

Version 1.0

JANUARY 19TH, 2023

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Document History

Version	When	Who	What
1.0	2023-01-19	Psychic Octo Guacamole	Initial Drafting

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1.0 Product Overview

At Psychic Octo Guacamole (POG), our goal is to make storing and accessing patient information as easy as possible for our doctors. Currently our EHR makes the following tasks difficult:

- Storing lab reports
- Difficulty in finding and retrieving information
- Inefficiency in communication and collaboration among healthcare providers
- Lack of security and privacy
- Difficulty in tracking patient history

By improving on these difficult tasks, we hope to improve the efficiency and usability of our EHR. We anticipate this will lead to our user's getting the information they need as quickly as possible without compromising the security of our patients' data.

2.0 Project Objectives

Medi-Spoon is going to fulfill the hospital mission statements by implementing the following objectives:

- Having a dynamic and secure webpage that doctors, nurses, and receptionists can login on
- Individual profiles that the users can customize so that they are easily recognized when edits are made for patient records
- Easy and streamlined lab report interface
- Patient history view that is organized and accessible with keyboard shortcuts

3.0 Current System(s)

The current EHR system no longer satisfies the requirements. The features include inaccessibility outside the premises of the office, storing, updating, deleting and retrieving patient information, storage of treatment plans, immunization dates and laboratory results.

4.0 Intended users of the system

The intended group of users will be:

- Doctors
- Nurses
- Hospital Receptionists

Doctors and nurses are the primary users of the system. Both should be able to log-in and view all relevant information regarding a user. Furthermore, they should be able to add lab reports, create prescriptions, and update patient information.

Hospital receptionists are secondary users. They are also able to log-in and view information regarding a user. They can update patient personal information as well as add new patients into the system. However, they are not able to create or update medical information.

5.0 Known interaction with systems within or outside the client organization

- 1) Integrate with existing service that shares databases with other hospitals
- 2) Third party application that patients can check in on
- 3) Third party analytical system that creates statistics

6.0 Known constraints to development

Must abide by privacy laws

- Server's must be located in Canada and stored data has to abide by federal and provincial privacy laws.

Patient Data must be held securely

- The data stored for a given patient must be encrypted and safely stored so that a data breach does not reveal any personal information.

Patient Data must only be accessed by authorized users

- There should never be a situation where someone who does not have permission to access a patient's data can gain access. Moreover, a receptionist for instance should not be able to access all details about a given patient, just those relevant to their job.

7.0 Project Schedule

ID	Task Name	Start Date	End Date	Duration (Days)	Assigned To	Percent Complete
1	Release RFP to Market	2023-01-19	2023-01-26	7	POG	100%
2	RD 1.0	2023-01-26	2023-01-31	5	Dev	0%
3	RD 1.1	2023-01-31	2023-02-02	2	POG	0%
4	RSD 1.0	2023-02-02	2023-02-07	5	Dev	0%
5	RSD 1.1	2023-02-07	2023-02-09	2	POG	0%
6	RSD 2.0	2023-02-09	2023-02-13	4	Dev	0%
7	Prototype Demo	2023-02-13	2023-02-20	7	Dev	0%
8	RSD 3.0	2023-02-20	2023-02-27	7	Dev	0%
9	RSD 3.1	2023-02-20	2023-03-01	2	POG	0%
10	RSD Final	2023-03-01	2023-03-07	6	Dev	0%
11	Final Demo	2023-03-07	2023-03-20	13	Dev	0%

8.0 Project team

POG consists of four members, who can be contacted using the following information:

Website: <https://github.com/keithradford/psychic-octo-guacamole>

Email:

Keith Radford	(Head of Doctor Systems)
Alex Huang	(Head of Telephonic and Face-to-Face Communication Liaison)
James Kaberry	(Document Reviewer)
Naoya Pimlot	(Junior Receptionist)

9.0 Glossary of terms

EHR	Electronic Health Record
Dev	Developers of the requested system