Smart Selection Group Requirements Document

Target release	18 Mar 2022
Epic	 **Key** / **Summary** / **T** / **Created** / **Updated** / **Due** / **Assignee** / **Reporter** / **P** / **Status** / **Resolution** SSG-1 / Business Analysis / 29/Jan/22 10:17 PM / 29/Jan/22 10:17 PM / Unassigned / Sheimy Paz Serpa / = / Backlog / Unresolved SPS-1 / Business Analysis / 03/Feb/22 3:32 PM / 03/Feb/22 3:32 PM / Sheimy Paz Serpa / Sheimy Paz Serpa / = / To Do / Unresolved C3-8 / Business analysis / 29/Jan/22 10:13 PM / 29/Jan/22 10:13 PM / Unassigned / Sheimy Paz Serpa / = / To Do / Unresolved C3-1 / Business Analysis / 28/Jan/22 11:10 PM / 29/Jan/22 10:21 PM / 29/Jan/22 / Unassigned / Sheimy Paz Serpa / = / To Do / Unresolved 4 issues
Document status	In Progress
Document owner	@Sheimy Paz
Designer	@Sheimy Paz
Tech led	@Sheimy Paz
Technical writers	@Sheimy Paz
QA	

Objective

Smart Selection Group was created in 2022. Its main objective is to help companies and customers to find the right insurance plan and preventive care. Based on AI and machine learning algorithm “Random Forest classifier “, the software can predict customers’ needs based on the previously collected information.

Success metrics

Goal	Metric
Predict patient future health condition.	Change on patient lifestyles

Save Money to the insurance company	Earnings
Accurate prediction	<50%

The software will save money for the company by classifying customers into groups. Healthy, possible risk, Conditions. An example of this is a customer with a previous higher blood sugar record will be moved to be a candidate of possible future risk which will make the company aware that maybe sooner this customer will need more medical attention that a healthy customer. Decisions like this one will ensure profitability for the company and ideally at the same time will alert the customer of his futures risk giving him some time to change his lifestyle and make a better decision about his health. Therefore, the system could save lives and lead to a healthier population.

🤔 Assumptions

The project will increase profitability.

Lives will be saved by its performance.

Client/patients will change their lifestyles after seeing any negative outcome from the evaluation of their health history.

It will help providers by finding early symptoms of the early condition.

It will generate an accurate prediction.

The company will be able to afford 10-20% of new diagnostic cases.

The system will be trained when new information enters the system for accurate precision.

The system will generate reports in 2 seconds or less after the information has been entered.

🌟 Milestones

https://spazserpa.atlassian.net/jira/software/projects/SPS/boards/3/roadmap

🗒️ Requirements

Key	Summary	P
SPS-36	The system shall implement a decision tree.	=
SPS-35	The system will analyze and compare data.	=
SPS-34	The system shall save data by date and time.	=
SPS-33	The system shall access data into the database whenever needed.	=
SPS-32	The system shall store data in a database.	=

SPS-31	Stakeholders must have an internet connection to use the system.	=
SPS-30	The system shall have an internet connection all the time.	=
SPS-29	The system must display data output.	=
SPS-28	The system must accept data input.	=
SPS-26	Each month the software shall test its accuracy with the new store data.	=
SPS-25	The software shall follow an accuracy level of more than 50% to be used.	=

11 issues

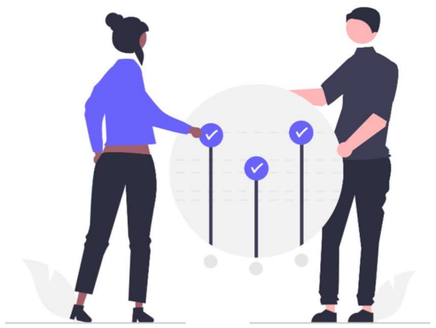
User Stories

Key	Summary	P
SPS-16	“As a <manager>, I want <to communicate with the team> so that <so we can better assist clients>.”	=
SPS-15	“As a <manager>, I want <to track the employee’s tasks> so that <I can report our progress with accuracy>.”	=
SPS-14	“As a <team member>, I want <to organize my tasks of the day> so that <I can be on control>.”	=
SPS-13	“As a <manager>, I want <the system to process a self-test> so that <its accuracy is measure>.”	=
SPS-12	“As a <owner>, I want <a help button in all pages> so that <the user can ask for help at any time>.”	=
SPS-11	“As a <owner>, I want <customer be able to enter information> so that <they interact with the system back and forth>.”	=

6 issues

User interaction and design

9:41



Welcome To SSGSPS

Smart Selection Group is system used for insurance to make predictions about thier client future health. SSGSPS is a Machine learning program developed with the porpose to help to improve clients health by predicting how may look their future health according to their current health history

Sign in

Register

9:41

Lets Sign you in

Welcome Back ,
You have been missed

Email ,phone & username

Password

Forgot Password ?

Sign in

or

Don't have an account ? **Register Now**

9:41

Lets Register Account

Hello user, have
a greatful journey

Name

Buissness name

Phone

Email

Password

Sign in

Already have an account ? **Login**

9:41

Health Questionnaire

Lets Answer a couple of questions

Smoke

Drink

Allergies

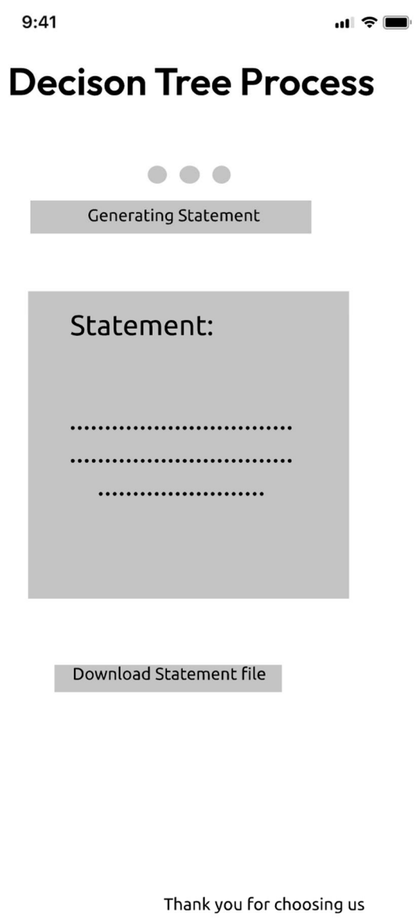
Existing Conditions

...

Click to make prediction

Or Upload document

Upload file



Design constraints

Budget under $10,000.

The software should be done in 4 months.

Every week the software team should show a new implementation that meets the requirements.

The software should have a feature to test itself for accuracy.

The system must follow WCA 2.0 guidelines.

The system must follow Material design guidelines for the android app implementation.

The system must follow HIPPA.

The system must be retraining every month to improve accuracy with new data.

Open Questions

Question	Answer	Date Answered
How many data set I will use for the prediction training process?		

Out of Scope

The software won't directly contact the client/patient to inform about its findings (when I said contact I mean send text or email.)