



# Startup Idea Contest



Team name: Explorer

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# Problem Statement

There are huge time needed to explain the main problem that face a patient to a doctor .Traditional system is very time consuming. If we reduce the time needed to serve a patience by using Artificial intelligent method then the doctor can serve more people in a day compare to previously.

# Your Solution

1. Create an app that take information of patient
2. Patient input their problem in different section before go to doctor
3. Doctor can read the summary of the patient problems and visualize the disease and prediction the medicine by using AI based app
4. Give medicine
5. Prediction disease using Machine learning

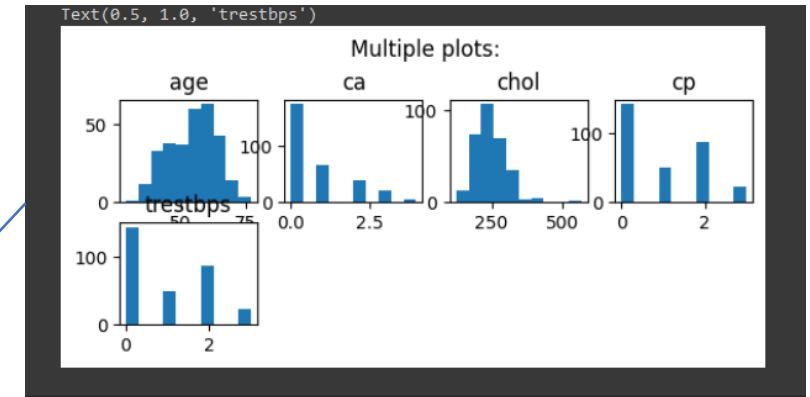
```
[ ] 1 data.head()
```

	age	sex	cp	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	slope	ca	thal	target
0	63	1	3	145	233	1	0	150	0	2.3	0	0	1	1
1	37	1	2	130	250	0	1	187	0	3.5	0	0	2	1
2	41	0	1	130	204	0	0	172	0	1.4	2	0	2	1
3	56	1	1	120	236	0	1	178	0	0.8	2	0	2	1
4	57	0	0	120	354	0	1	163	1	0.6	2	0	2	1

```
1 data.tail()
```

	age	sex	cp	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	slope	ca	thal	target
298	57	0	0	140	241	0	1	123	1	0.2	1	0	3	0
299	45	1	3	110	264	0	1	132	0	1.2	1	0	3	0
300	68	1	0	144	193	1	1	141	0	3.4	1	2	3	0
301	57	1	0	130	131	0	1	115	1	1.2	1	1	3	0
302	57	0	1	130	236	0	0	174	0	0.0	1	1	2	0

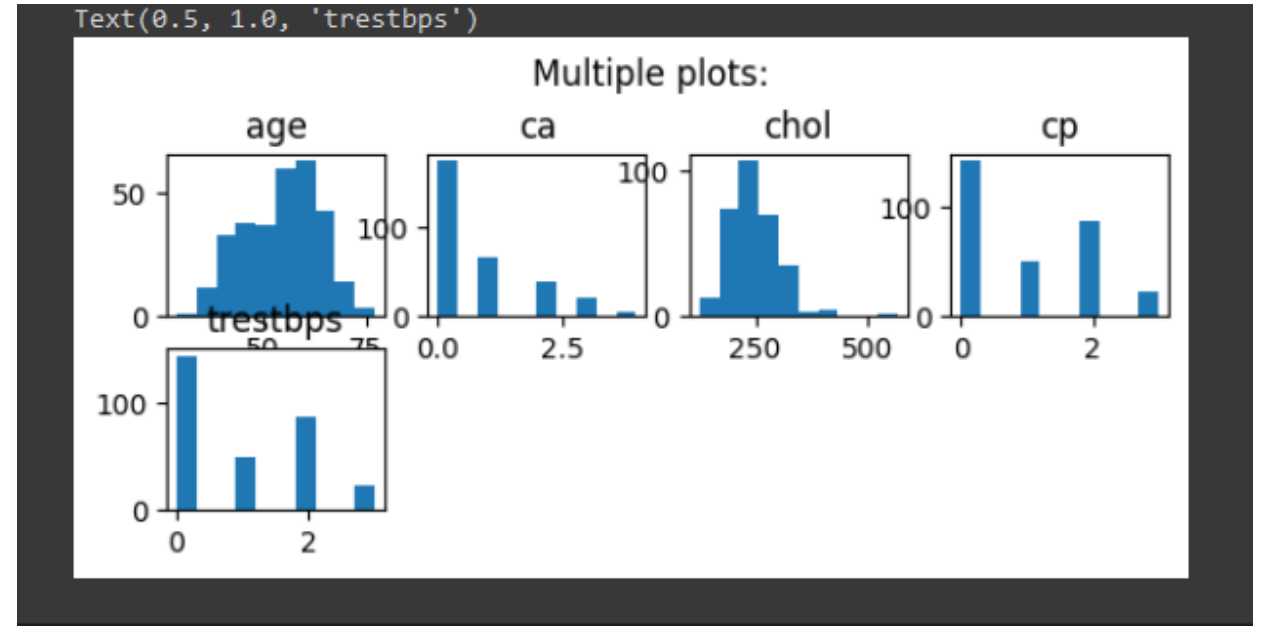


```
[ ] 1 #-----SVM -----
2
3 from sklearn.svm import SVC
4 svm = SVC()
5 svm.fit(X_train, Y_train)
6 y_pred = svm.predict(X_test)
7 accuracy = accuracy_score(Y_test, y_pred)
8 print("Accuracy:", accuracy)
```

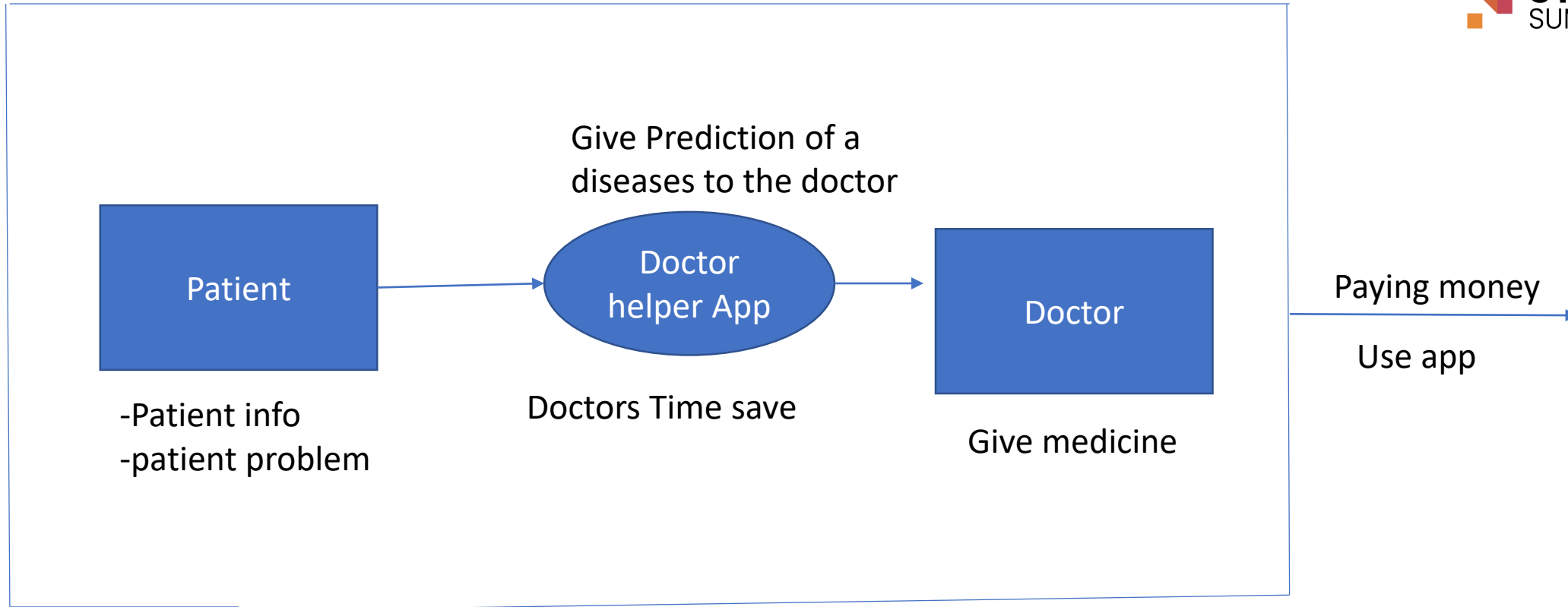
Accuracy: 0.6229508196721312

# Your Uniqueness/ Features

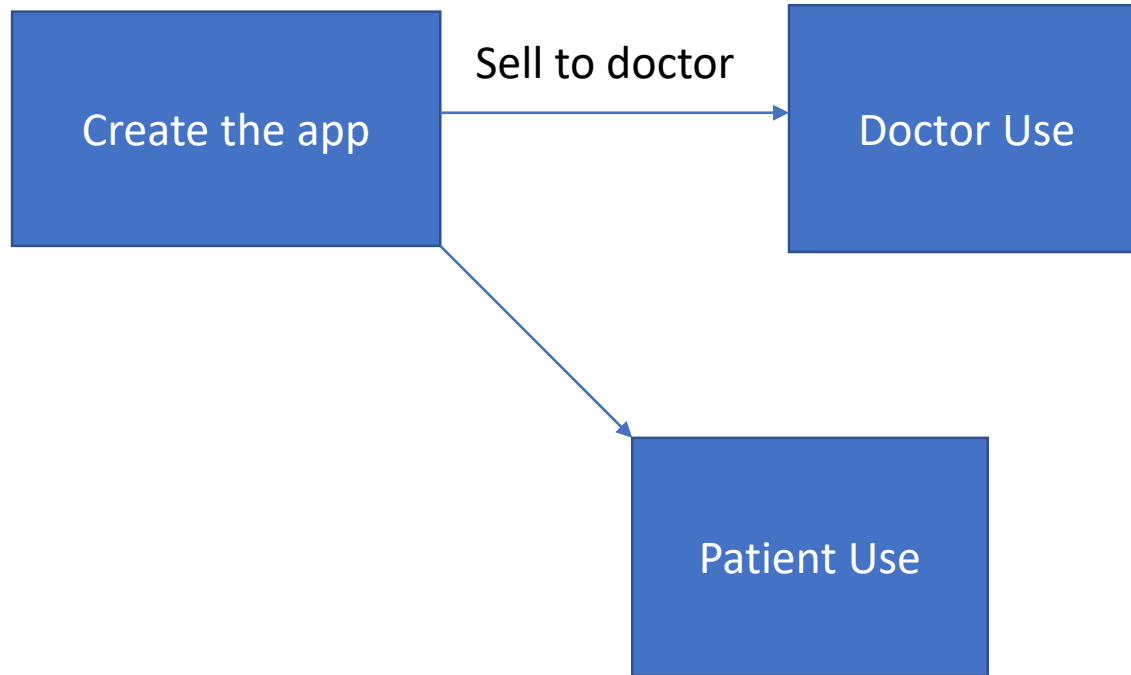
1. Get patient information like age, sex, problems, breath, oxygen level etc
2. Give prediction and help doctor to visualize the overall problem in a diagram
3. Save money
4. Save time for doctor



# Business Model Canvas



# Future Plan and Scope



# Go to Market Strategy

## Market Research:

Advantage: Conduct thorough market research to understand the needs and preferences of healthcare professionals, such as doctors, nurses, and medical staff, as well as patients. Identify pain points in the current healthcare system that your app can address.

## Target Audience Identification:

Advantage: Clearly define your target audience, which may include specific medical specialties or patient demographics. Tailor your app's features and marketing efforts to cater to the needs of this audience effectively.

## Competitive Analysis:

Advantage: Analyze existing healthcare apps and solutions that offer disease information collection and analysis. Identify their strengths and weaknesses to find opportunities for differentiation and improvement.

## Unique Selling Proposition (USP):

Advantage: Define a compelling USP that sets your app apart from competitors. This could be superior accuracy in disease analysis, a user-friendly interface, faster data processing, or better integration with existing healthcare systems.

# Open For Questions