Resubmission

NineNine

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Tell us a bit about yourself

We are an enthusiastic and hardworking team who strives for the best till the very end.

Our Previous Work:

- Developed automation solution to eliminate human effort for Machint Solutions
- Developed Virtual Doctor application to collect vital information and doctor consultation through mobile application. This application has features like appointments, Vital information collection, video consultation with respective specialist doctor. This is very useful for COVID-19 situation
- Human Calorie Tracker - Our yearly project this year - Calorie tracker is a Artificial Intelligent (AI) based system which learns the food habits of the users and suggest a better diet to keep them healthy
- We have been selected for "**Smart India Hackathon - 2020**" Grand Finale to provide a solution for "Corporate Action Scraping"

*All the above mentioned projects are available at https://github.com/devachatu

Your selected problem statement

Everyone's dream is to have fit and flawless bodies.

We all must have tried multiple options like

- Going to the Gym
- Practicing Yoga
- Having protein shakes and tasteless salads

Year	India Population	%age in global Population
1975	0.4 million	1.3%
2014	9.8 million	3.7%

But these processes are missing the correct amount of intake and burning of calories

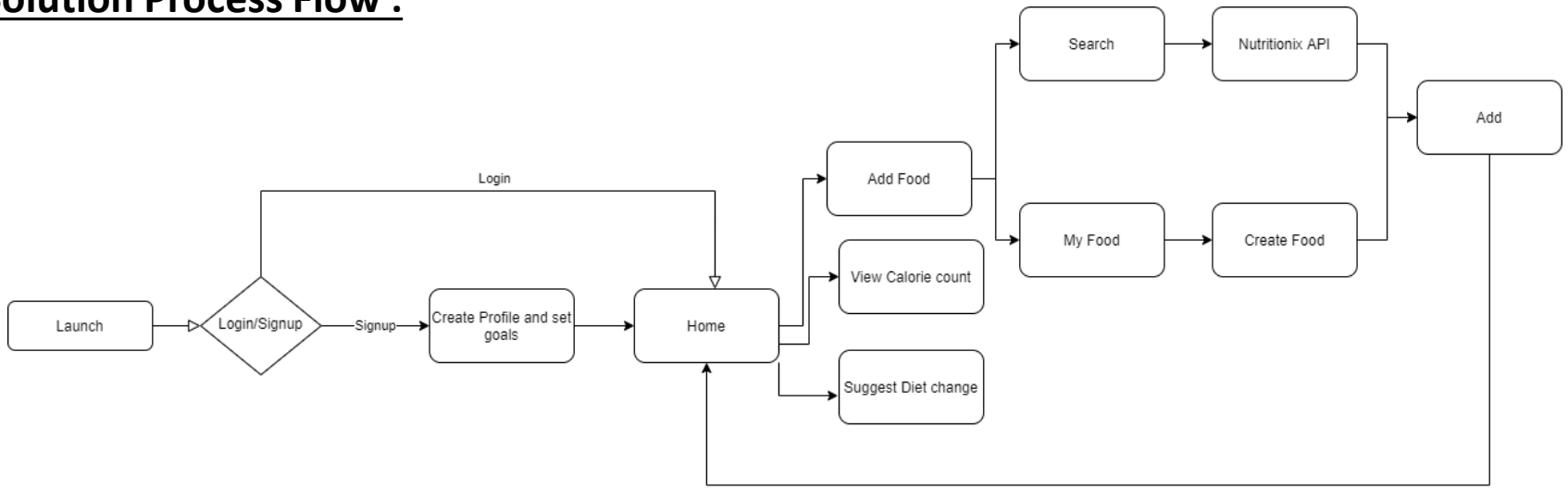
The simplest solution we have found for this problem is a Calorie Monitor.

This helps keep track of your calorie intake and burn outs to makes sure your body is healthy.
Once you create a profile

- Choose your basic diet preferences or create your own diet plan
- After every meal just log your diet in the application
- It compares your eating habits with similar eating habits of people around the world
- It Suggests the best diet plan for you

Solution and Tech Stack

Solution Process Flow :



Tech Stack:

Backend: Python, Java

Frontend: XML

Cloud Database: Google Firebase

API: Nutritionx, Google Fit

So, how is your solution different?

Like other calorie counters our app also counts the calories of the food entered but it also provides the following:

- ✓ Learns the user's eating habits and provides suggestions based of previous food and the time of day
- ✓ User can enter goals to lose or gain weight and our Artificial Intelligence system will give the best possible diet while also suggesting the similar kind of food the user eats.
- ✓ Our application connects with google fit to also calculate the calories burnt/spent in the particular day.

Future possible enhancements

- **Image recognition** - Take a picture of the food and allow to check calories in real time
- **Integration** – More 3rd party devices like Smart watches and fitness bands to keep track of calorie burning
- **Diverse Cuisines** - Increase the food database to allow the addition of more diverse cuisines

Risks/ Challenges / Dependencies

Challenge	Mitigation
The main challenge would be getting users to actually log into the app and make an entry.	we are making the process seem as fast, easy and seamless as possible
Diversified countries like India Identifying peoples regional food habits and their cuisines is very difficult.	Continuous training to our Artificial Intelligence system to have larger number of food cuisines.

Anything Else ?

We aim to make a gripping and useful app that everyone will love to use and will in turn help them back in the way they expect it to.

We have worked with Nutritionx api and machine learning before and we see this as a great opportunity to both learn and show our skills.

We would love to be a part of this program and are very much looking forward to it.