SMART INDIA HACKATHON 2020
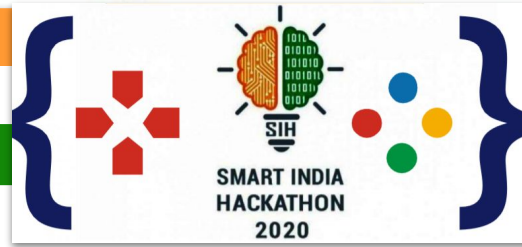
Yeshwantrao Chavan College of Engineering, Nagpur, Maharashtra

HealthRx(Bajaj Finserv Health Ltd.) CH46: Gamification of Health Data Collection

BrainByte

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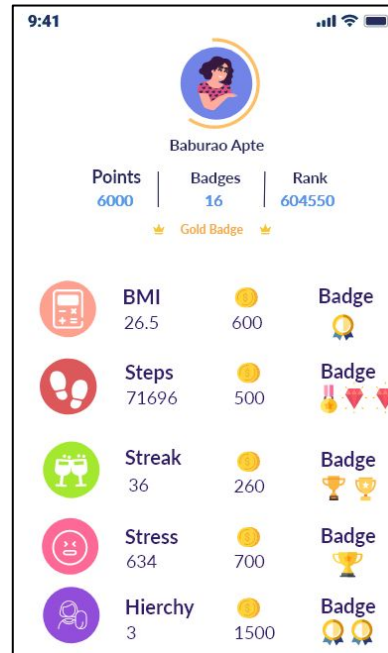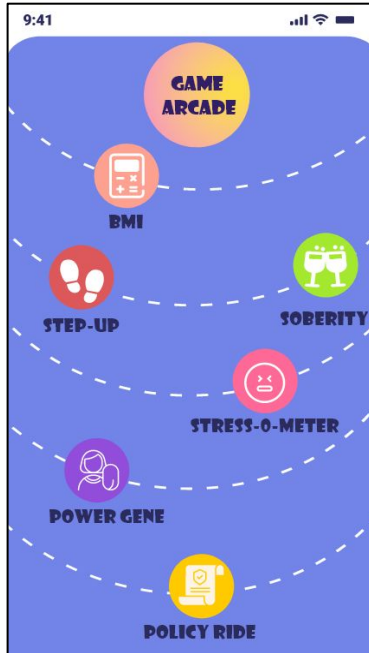
Let's take a Peek:

Highlights:

- **Personalized Profile**
- **Leader board**
- **Improved accessibility**
- **Various activities** for user data collection
- **Positive Reinforcement:** Badges, Points & Ranks for user's instigation
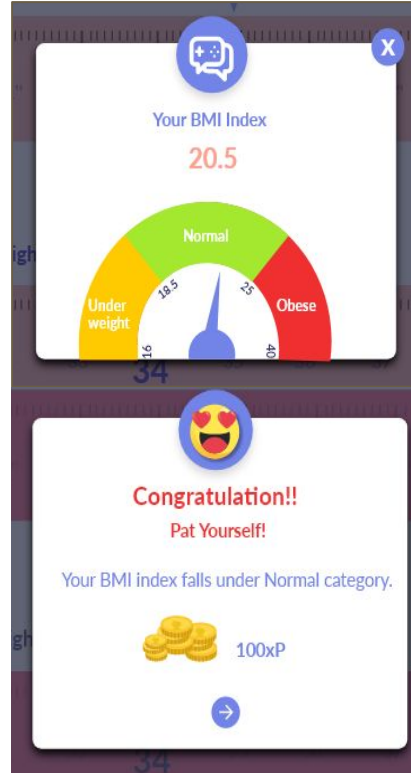
1. BMI:

BMI CALCULATER

Height

5'4"

5'4" feet

Weight

34

34 Kg

Your BMI Index

20.5

Normal

Under weight

Obese

😍

Congratulation!!

Pat Yourself!
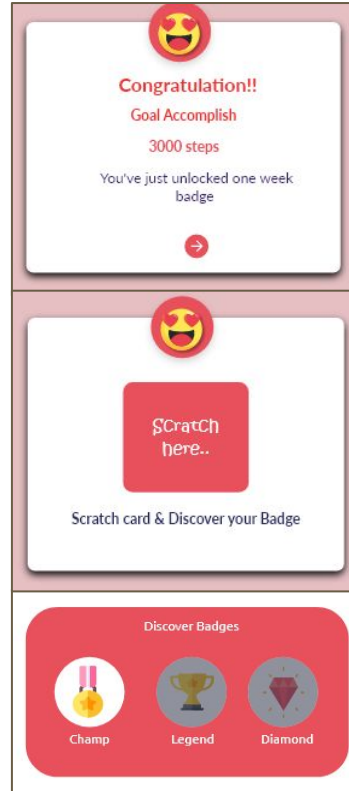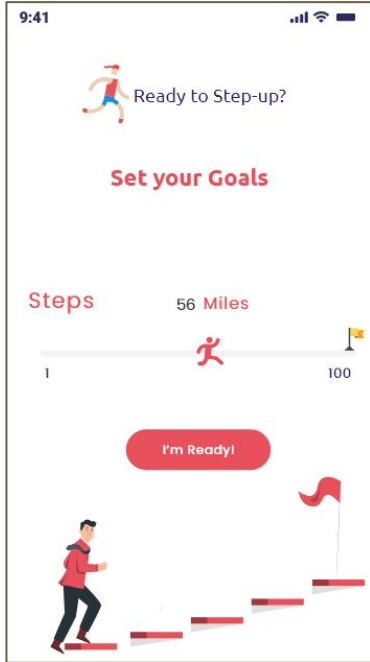
Your BMI index falls under Normal category.

100xP

Highlights:

- **Intuitive slider** for data input
- Formula based **Automated BMI** calculation
- Graphical Display for easy reading
- **Special XPs** for Ideal Category
- Scratch and Earn Badge technique for user engagement

2. STEP-UP:

Highlights:
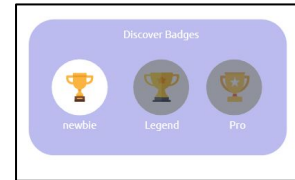
- **Customizable Goals**
- **Data acquisition via Google Fit API**
- Track Steps, Kilometers, Time and Calories burned.
- **Graphical representation** of daily steps count
- Exciting **Badges and XPs** after goal is achieved.
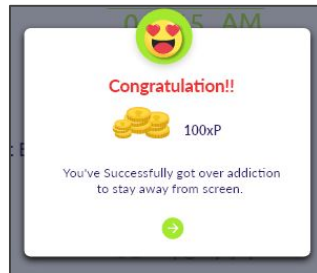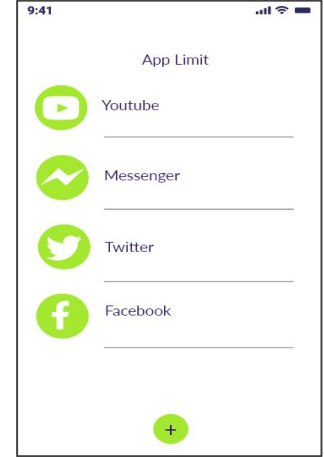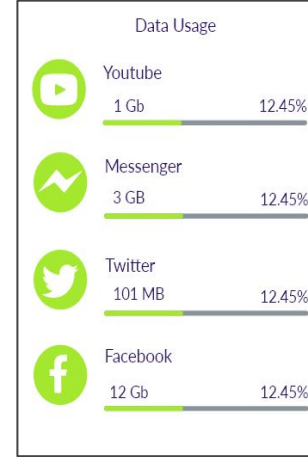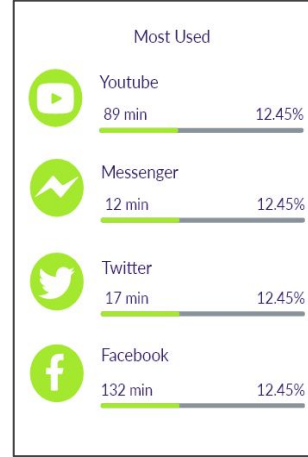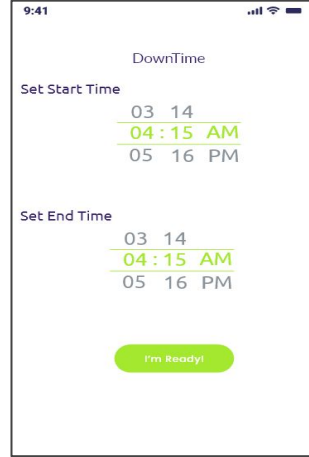
3. SOBRIETY:

Highlights:

- **Track of bad habits/ addictions**
- Stats of **time & money** saved
- Tracks **relapse, abstinence time**
- Win XPs and badges

4. STRESS-O-METER:

9:41

DownTime
Schedule Away time from Screen

App Limit
Set Time Limit per App

Most Used
Track your usage time per App

Data Usage
Track your data usage per App

Time Spend on all these tasks Today

Notification 256
Unlock 32
Music 00:34:30
Calls 00:14:31

DownTime

Set Start Time
03 14
04 : 15 AM
05 16 PM

Set End Time
03 14
04 : 15 AM
05 16 PM

I'm Ready!

Most Used

Youtube
89 min   12.45%

Messenger
12 min   12.45%

Twitter
17 min   12.45%

Facebook
132 min   12.45%

Data Usage

Youtube
1 Gb   12.45%

Messenger
3 GB   12.45%

Twitter
101 MB   12.45%

Facebook
12 Gb   12.45%

App Limit

Youtube

Messenger

Twitter

Facebook

Congratulation!!
100xP
You've Successfully got over addiction to stay away from screen.

Highlights:

- Analyze and manage **stress level**
- Pop up **quizzes**
- Reduce **excessive screen time**
- Win XPs by answering quizzes

5. POWER GENES :

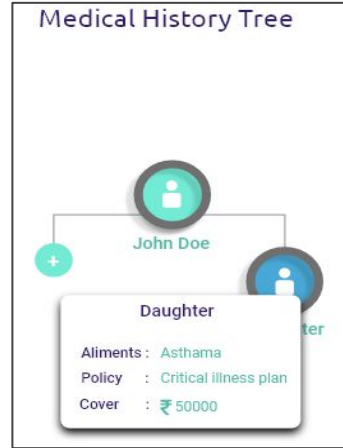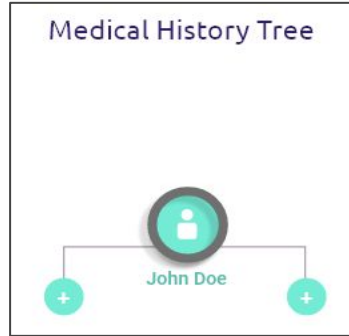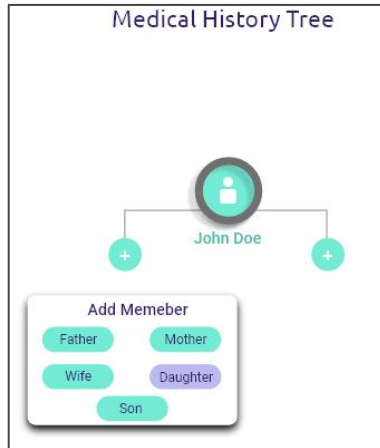## Medical History Tree
John Doe

Medical History Tree
John Doe

John Doe

Aliments :	Diabetes,AIDS
Policy :	Critical illness plan
Cover :	₹ 50000

Medical History Tree
John Doe

Daughter

Aliments :	Asthama
Policy :	Critical illness plan
Cover :	₹ 50000

Choose the diseases you have

Diabetes	Artheritis	Spondylitis
Asthama	CAD	Down Syndrome
Tuberculosis	Cancer	AIDS

Medical History Tree
John Doe

Add Memeber

Father	Mother
Wife	Daughter
Son	

Congratulation!!

500xP

You've Earned Health Points
to share your family valuable data

Highlights:

- View and **add medical history** of the family
- Keep **track of diseases**
- **Graphical representation by family tree**
- Earn XPs as new data is added

6. POLICY RIDE:

HealthCare Plans

Hey Sharanya,
your BMI score is great however your power genes data indicates that you are at risk for diabetes and cancer.
We would strongly recommend you to choose the suggested policy as it is best suited according to your age and income and it will provide good risk coverage for you as well as for your family members against critical illnesses.

RECOMMENDATION

Family floater health Insurance — Premium ₹ 3493
SumAssured : ₹100000   Policy Term : 5 years
Know More
✓ Use Health Points

Total Health Points 38743   Use Coins − 200 +   Premium ₹ 2599

critical illness health cover — Premium ₹17493
SumAssured : ₹500000   Policy Term : 3 years

HealthCare Plans

FEATURES

Family floater health Insurance — Premium ₹ 3493

SumAssured : ₹100000   Policy Term : 5 years

Age : 18 - 65 year

Maternity Expense : will be covered

Medical Expense due to consumption of addictive substance : will be not covered

Prior Disease : will be covered after waiting period of 2 years

Other Benefits :
● Cashless service
● Tax saving
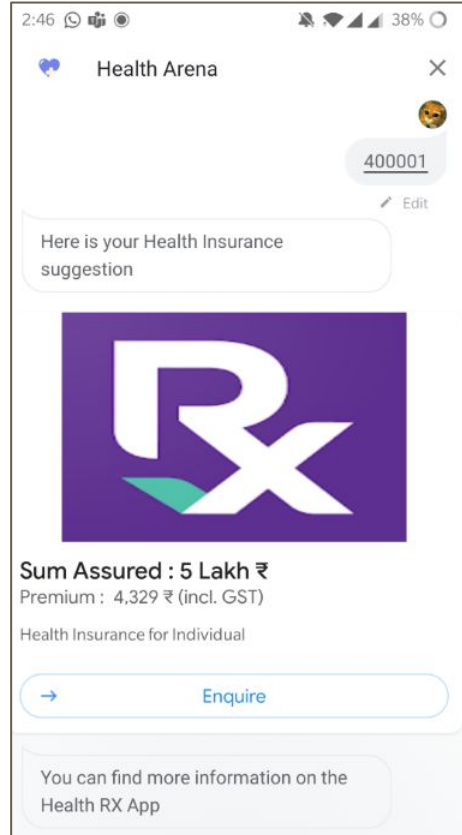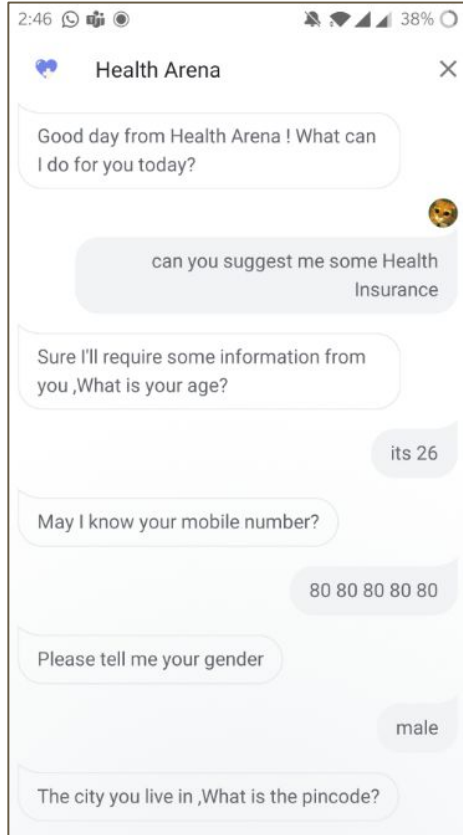● Medical Test Exemption

☐ Use Health Points

Highlights:

- **Targeting customers** by demographic
- **Discounts on premium** can be provided based on coins collected
- **Reduce** the probability of **insurance claims**
- **Customised policy recommendation**

Chat-Bot:

Highlights:

- Google Assistant enabled

- Hands free approach

Tech Stack:

- Android SDK along with MVVM architecture
- Kotlin at [Front End]
- Firebase Firestore Object Oriented DB
- NodeJS & PHP at the [BackEnd]
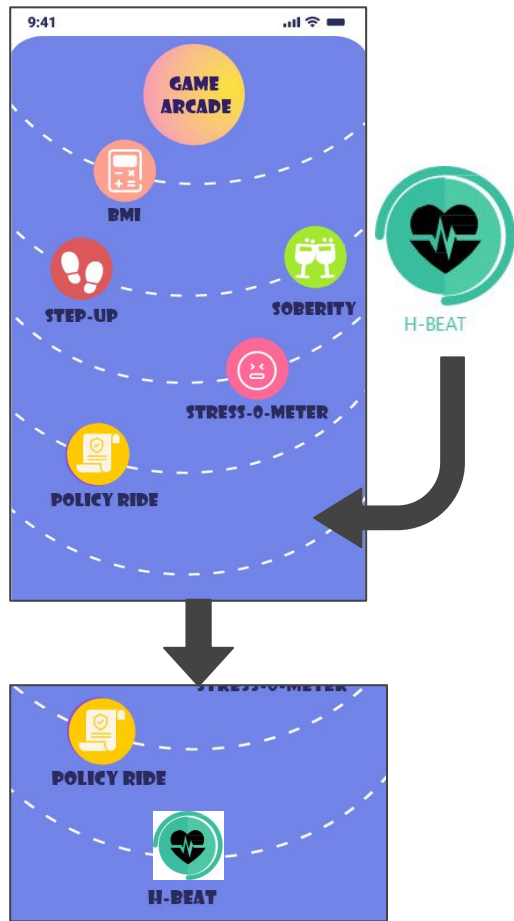- JSON web token for authentication

Future Scope:

- **Empowering chat bot** (answer all the queries related to the insurance policies, estimated premiums and other activities)

- **Improving plug and play**

Limitations:

- Data may be inaccurate due to unavailability of fitness devices

More on Plug & Play:

Highlights:

- Show all available plugins
- Customizable installing of plugins
- Adapt to new plugins

At a Glance: