



Disease Tracker

COP290

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Cause



- As many as 21% of 12,608 participants of a 2014 pan India study were found to have hypertension but only 4.76% of those knew of their condition.
- Barely 48% of participants of a 2014 study in Coimbatore were aware of cardiovascular risk factors.
- In Kerala, 86% respondents of a 2011 study had heard of oral cancer but only 62% could pin-point the correct cause.
- Can we rise the awareness of Disease through android game?

Gamify the cause



- An android game app design , which is freely available for users.
- Task for users to identify the Disease for given no of symptoms .
- For the symptoms given in the image user have to identify the Disease for those symptoms.
- Some rewards will be given to the player for every correct identification of disease on the basis of symptoms. That makes players interested in this game.

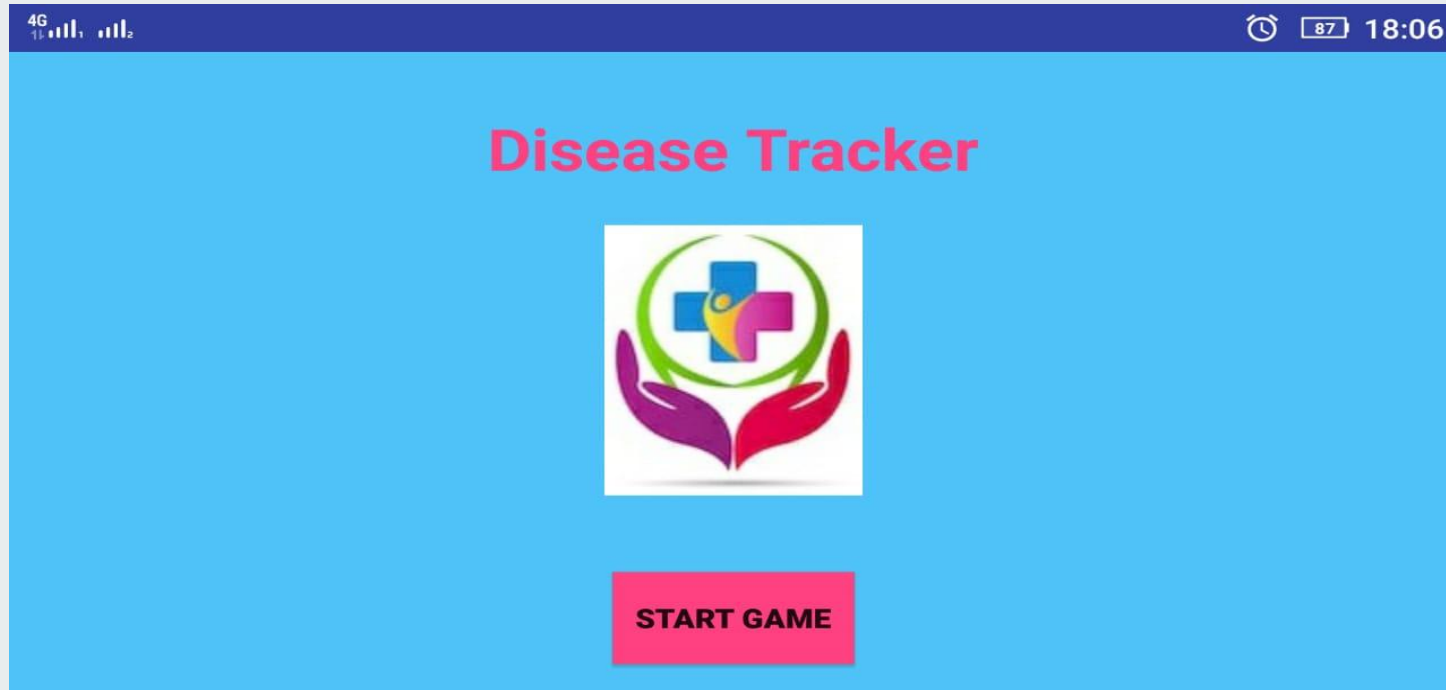
Game Model



- This is a single player android game.
- It has multiple levels.
- In first level player has to select a Disease on the basis of given four symptoms, for each correct Disease player will get 10 points reward.
- in second level player select the Disease on the basis of symptom given in the image and for each correct selection player get 10 points as reward.
- After identified right disease the player will reach in the second level. In the second level, the payer has to select some cures regarding that disease. If those will be correct, the player will gain more points.

Welcome screen

- The first screen of the game will be the welcome screen of the game.



Game Level

- In this screen player can the choose the level of the game that he/she want to play.



Game Level 1

- In this level of the game player has to select the disease for the given symptoms.



The screenshot shows a mobile game interface with a dark blue status bar at the top containing signal strength, Wi-Fi, battery (77%), and time (01:57) icons. The main area has a light blue background. The title 'Select the disease for given symptoms' is in large red font. Below it, four symptoms are listed in red: '1.) Loose, watery stools.', '2.) Abdominal cramps', '3.) Abdominal pain.', and '4.) Fever.'. To the right of the list, the text 'Score: 0' is displayed in red. Below the symptoms, the text 'Select Disease:' is shown in red. A red input field contains the word 'Cancer' in black. At the bottom right, there is a red button with the word 'CHECK' in black.

Select the disease for given symptoms

1.) Loose, watery stools.

2.) Abdominal cramps

3.) Abdominal pain.

4.) Fever.

Score: 0

Select Disease:

Cancer

CHECK

Game Level 2

- In this level player has to identify the disease on the basis of given symptoms on the image.

A mobile status bar with a dark blue background. On the left, there are signal strength bars and a battery icon. On the right, there is a clock icon, a Wi-Fi icon, a battery percentage icon showing 77%, and the time 01:56.

Select the disease for given symptoms

A close-up photograph of a person's scalp. The hair is brown and slightly wavy. There is a noticeable area of dry, flaky skin on the scalp, which is a common symptom of dandruff or seborrheic dermatitis. A hand is visible at the bottom of the frame, touching the hair.

Score: 0

Select Disease:

skin_disease1

CHECK

Git Repository

- <https://github.com/ratanlal/DiseaseTracker.git>



References

- <https://archive.indiaspend.com/cover-story/how-ignorance-cuts-indias-healthy-life-by-half-91181>