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Physical Game Station Using Android Application

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ABSTRACT: Today, with the advancement of technology, life has become easier and whatever we need is just a click away. This has made people adopt a sedentary lifestyle and they are reluctant to step out from the comfort of their homes. People stay glued to their phones, computers and television screens all day long and they seem to have forgotten the joy of going out, playing outdoor games like cricket, hockey, football and badminton, and enjoying with real people. This sedentary lifestyle has resulted in people falling sick more often, lacking energy, lacking social skills and becoming distant from the people in their lives and social circles.

At home screen we are showing the request and current games by using map. User can able to check a request and able to accept it also user can able to send request with the following filters such as time, date, place, game selection, age and area this request will be visible as per this filters. The send request will be visible on map as per the filter and the day of the match sport will start. User can able to cancel the sport request before 4 hours.

KEYWORDS: Android studio, Java programming, Firebase database, Map, Request screen, layout, Design, Splash screen, Home screen, JSON file, Animation, Images, Static Methods, objects, classes, Inheritance, Exception handling, Overriding, Access modifiers.

I. INTRODUCTION

Physical game station helps user to play games outdoor. With selecting their favourite games, they want to play. And user can send and accept request with their location, date, time and gender.

Playing outdoors games is important for all age group. Outdoors activities help us in muscle strengthening and improve stamina. People are more prone to bone disease and joint pain due to lack of vitamin D and calcium because of staying indoors all the time. Fresh air and sunshine can naturally provide us vitamin D. Going outdoors and watching greenery can be good for our eyes and can improve vision and focus.

A healthy mind resides in a healthy body. Playing outdoor activities works faster than medicine for most of the lifestyle related disease.

When we are out we tend to play with others or in a team. This builds a team spirit among and prepare us to be adjustable and cooperative with others.

This quality is very important to be built so that we can move ahead in our life with long lasting relationships and not in isolation. People who spend time more time playing outside tends to be nature lovers.

They can better understand the environmental challenges and keep their society clean and pollution free. Outdoor activities help to bring out our hidden quantities.

We become more confident and self-dependent so that our project will help to play outdoor games easily with online registration.

II. RELATED WORK

Online gaming is hugely popular with children and young people. Annual research conducted by OFCOM shows that gaming is still one of the top activities enjoyed by 5-16 year olds online, with many of them gaming via mobile devices and going online using their games console. From sport related games to mission based games and quests inspiring users to complete challenges, interactive games cater for a wide range of interests, and can enable users to link up and play together. Most games now have an online element to them; allowing users to take part in leader boards, join group games or chat to others. Internet connectivity in a game adds a new opportunity for gamers as it allows players to find

and play against, or with, other players. These may be their friends or family members or even other users in the game from around the world (in a multiplayer game). We know that parents and careers do have questions and concerns about games, often about the type of games their child plays, who they may be speaking to and for how much time their child is playing. This leaflet provides an introduction to online gaming and advice for parents specifically related to gaming

III. METHODOLOGY

The aim of proposed system is to play outdoor games instead of playing online games every time at home. In our project On the home page user can see/check outdoor games. If user is interested to play game, then user have to login on the application and create his/her profile on it. User can select game whichever he/she want to play. Then user will send game request on the basis of date, time, location, age and gender. Other users are able to view request on the map from nearby location. If anyone is interested to play game with sender, he/she will accept the request and they will play the game with decided criteria.

Let's play outdoors and be fit and fine. Outdoor play and games are commonly considered the building blocks of social and physical development for children. But games and leisure sports have benefits for adults too. Recreational activities have proven advantages for those who regularly participate versus those who do not. Besides experiencing fresh air and essential Vitamin D, outdoor activities have physical, mental, and social benefits for all ages.

Teamwork:

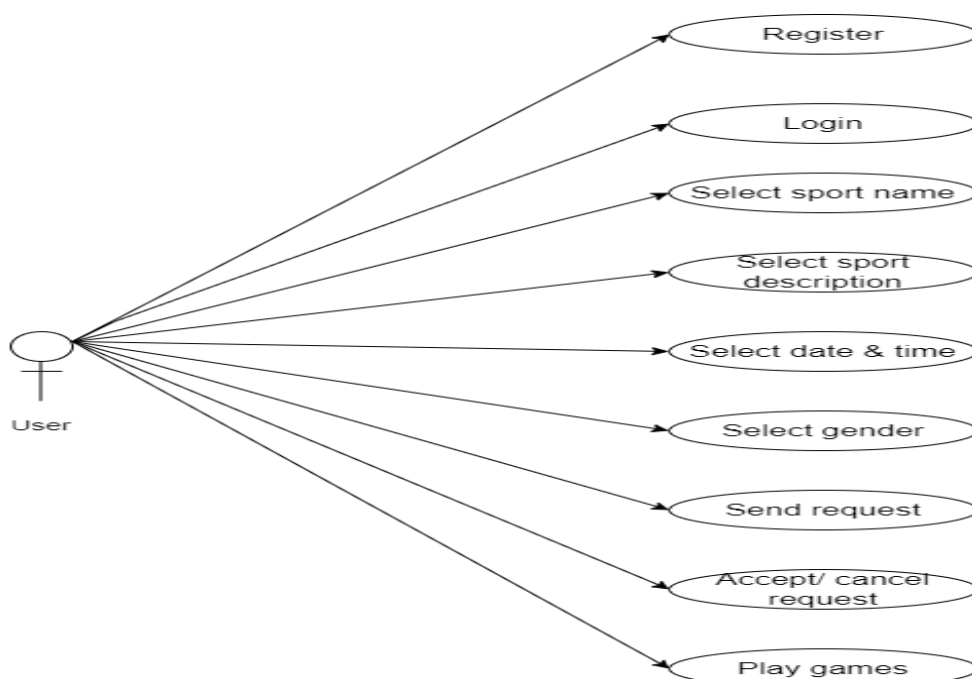
Outdoor activities and games often incorporate team aspects and cooperation to achieve a common goal. Learning how to work with others competitively can be a challenge, even for adults. From following the rules to developing team goals, outdoor activities encourage self-confidence and coordination with others.

Physical Exercise & Coordination:

Outdoor physical activities and regular exercise result in healthier bodies and minds at any age. Outdoor movement engages people in experiences outside and with each other in positive ways.

Less Stress & More Sleep:

People who exercise regularly have reduced stress. Staying in shape can also help with symptoms of depression. Fresh air and activity outdoors have been proven to reduce anxiety and improve serotonin levels. Regular exercise during the day equals better sleep at night, which leads to better concentration and increased energy the following day.



IV. EXPERIMENTAL RESULTS

Fig.1.

Every user has its own username & password credentials which are checked with a database for user authentication.

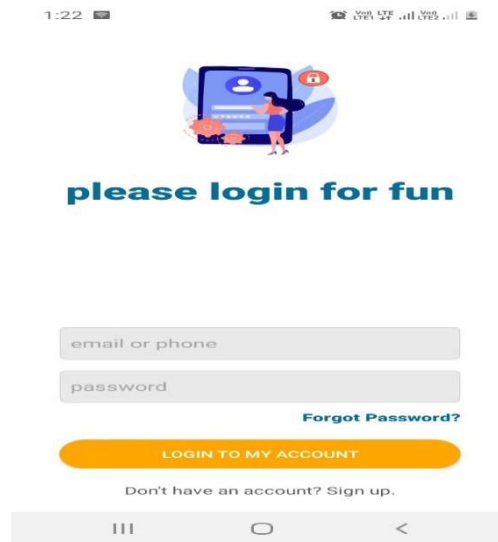


Fig. 2. Registration/sign up page for user

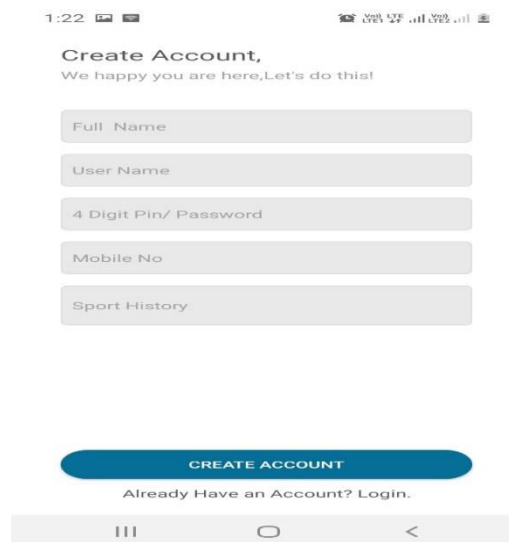


Fig.3. This is the homepage of Our Application. Here users are provided with application features.

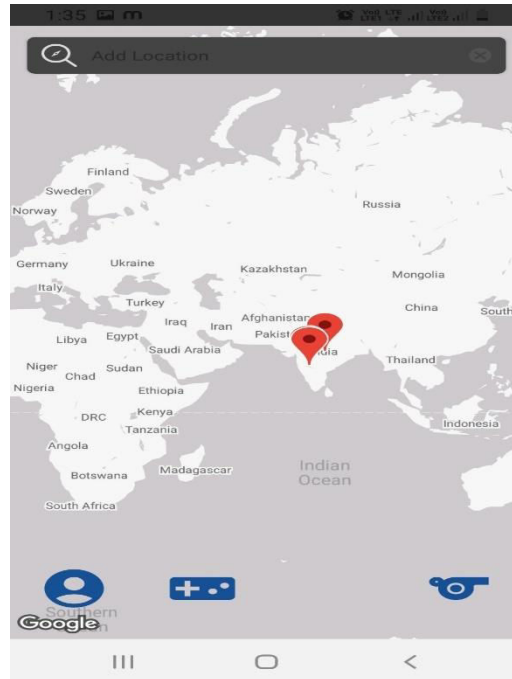


Fig.4.

Profile page shows details of the user which are added while signing up to application.

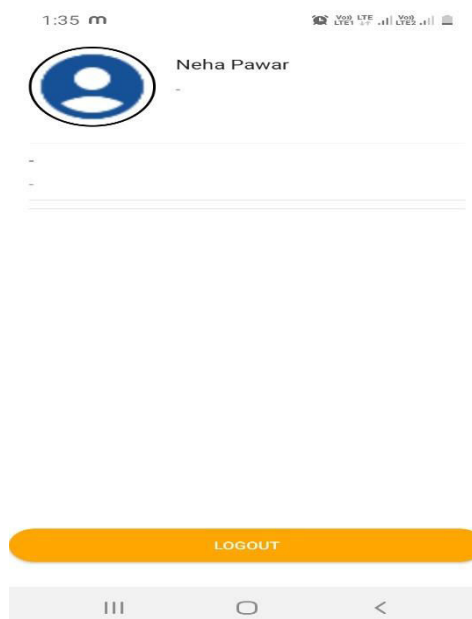


Fig. 5.

This is send request screen where user can add details and send request on the location he/she wants which is shown on the map

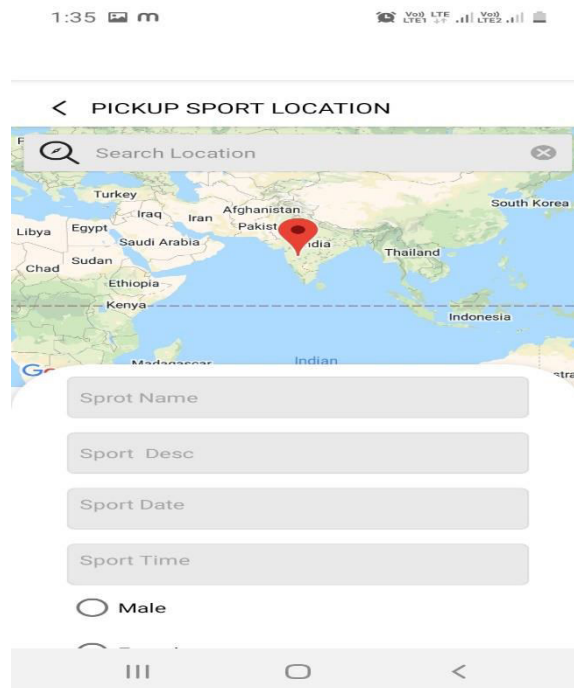


Fig.6.

This is request screen where user can accept or cancel request.

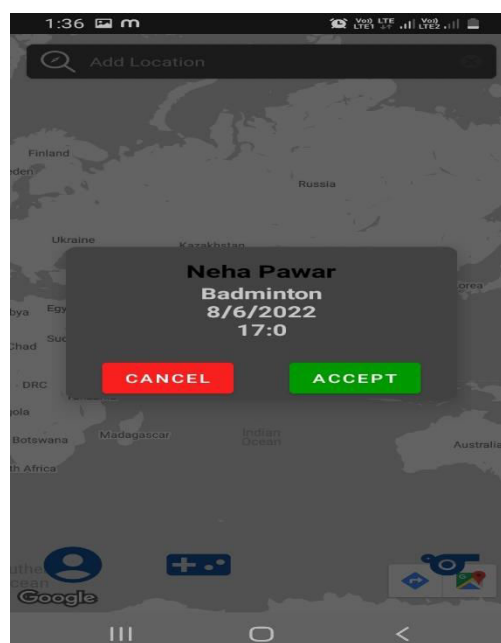
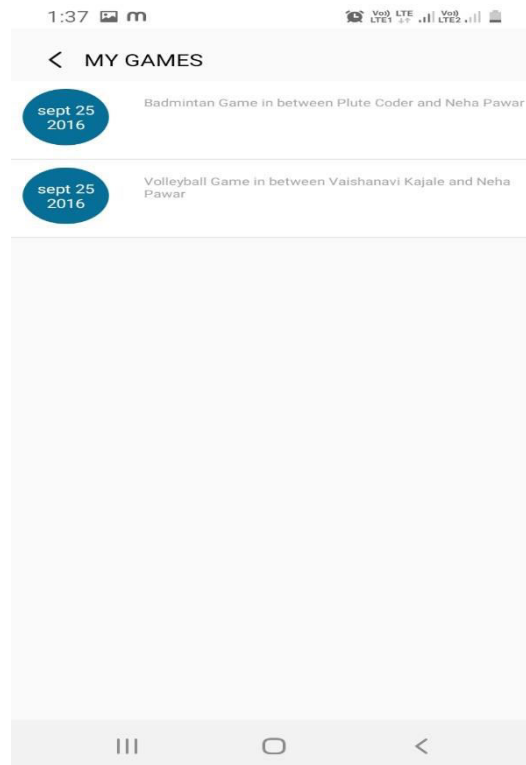


Fig.7. This is a screen where match between request accepted user.



V. CONCLUSION

In this project we can easily find out new games and best players. Avoid virtual things and increases the physical activity. In this research, we have studied online and offline education mode or system. Understand both system advantages and disadvantages.

REFERENCES

1. <https://www.apkonline.net/download-android-apks/app-outdoor-games>
2. <https://nevonprojects.com/project-ideas/android-project-ideas/>
3. <https://developer.android.com/games>
4. https://www.crio.do/projects/?utm_source=adwords&gclid=CjwKCAjws8yUBhA1EiwAi_tpEW5XczP7TV01Mph1tWoNVBvVMPYvHcilpder9Pv2DgQBMupQQk9FRoCXc8QAvD_BwE
5. <https://www.makeuseof.com/tag/10-fun-outdoor-games-play-gps-enabled-smartphones/>
6. <https://alternativeto.net/software/geocaching/>



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