

# Android App for Goose Scaring Games

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## Background

The project is based on Chris R J Pollard's project from Biological and Environmental Science. Conflicts occur in the Orkney Islands where wild geese eat the crops, causing a complex conflict between multiple stakeholders. A number of simple round-based games can be used to represent the different types of interactions between different groups of people, i.e. farmers and government. This project aims to produce a tablet/phone based game to collect data during stakeholder workshops in the Orkney Islands goose conflict, without Internet access.

## Game Example

GOVERNMENT				
Year	Opponent ID	Offer Max 12	Accepted? (Yes / No)	Your points
Example	2	10	Yes	10
1	2	8	No	0
2	2	5	Yes	7
3	2	6	Yes	6
4	2	3	No	0
Government total:				13

FARMER				
Year	Opponent ID	Offer Max 12	Accepted? (Yes / No)	Your points
Example	1	10	Yes	2
5	1	9	Yes	9
6	1	7	Yes	7
7	1	4	No	0
8	1	1	No	0
Farmer total:				16

Game 1 total (Government total + Farmer total): 29

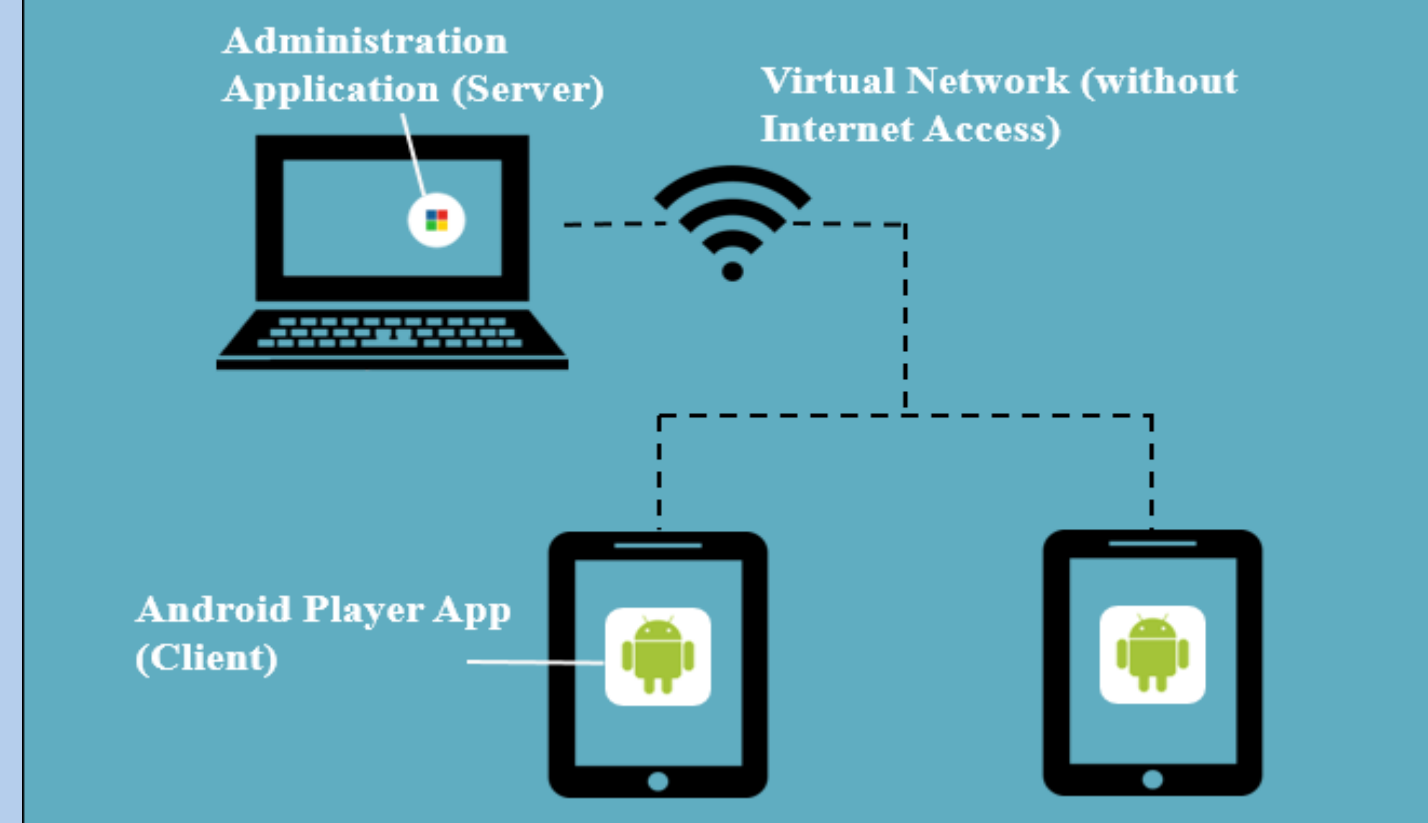
## Administration Application

- Choose a game type & Launch a game
- Select players & Start the game
- View game details
- Save game history in a csv file

## Android Player App

- Input username & Access the server
- Make choice while playing the game
- View game details

### Project Structure



## Skills & Techniques

- Software: Eclipse, Android Studio
- Java Swing
- Virtual Network

```

Administrator Command Prompt
Microsoft Windows [Version 10.0.10586]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32\netch wlan set hostednetwork mode=allow ssid=test key=12345678
The hosted network mode has been set to allow.
The SSID of the hosted network has been successfully changed.
The user key passphrase of the hosted network has been successfully changed.

C:\WINDOWS\system32\netch wlan stop hostednetwork
The hosted network stopped.

C:\WINDOWS\system32\netch wlan start hostednetwork
The hosted network started.
    
```

Laptop

Network  
Setting



Tablet