# Organising the backlog

The main priorities for phase 2 are

* developing the innovative features
* ensuring the software can present the most persuasive case to funders / test users (early adopters)

**Priorities:**

Prioritise user interactions feeding the machine learning and building up rich data, structuring that data (for the ML to be optimal) and refining the UI so as to give coherent recommendations to golfers (about games) and streamline the process of using the app.

- Database optimisation

- Richer and deeper data

- Develop ML

- User testing with the existing features to inform refinement of these.

First phase would focus on getting the app into a state where, if we do user testing (with 10-20 mock accounts, already set up but with ability to edit profile and develop preferences) we can capture user interactions and behaviour and feed that data to the ML.

**Building on MVP**

[Are these stories already there? ]

Full game hosting and game booking functionality developed

Full user profile editing and updating developed.

User can provide feedback on a game (about the event)

User can provide feedback on a host (about the host)

User can provide feedback on a course (?)

# User Stories

**Sign Up - Create Profile**

As a user (guest & host) I want to be able to add my location so that I can use location based services

As a user (guest & host) I want to be able to edit my location so that I can continue to use location based services

As a user (guest & host) i want to be able to update (toggle boolean) my account privacy so that I can have periods of inactivity with the app.

As a user (guest and host) I want to be able to toggle (boolean) notifications so that I can choose how noisy the service is.

As a user (guest and host) I want to be able to create a bio text so that other users can learn relevant things about me.

As a user (guest and host) I want to be able to update / edit my bio text so that information can be up to date.

As a user (guest and host) I want to be able to create linked courses information so that other users can see where I play / can host.

As a user (guest and host) I want to be able to update / edit my linked courses information so that other users can see where I play / can host.

**Usage & Layout**

Profile page

As a user (guest & host) I want there to be a profile page so I can see / access / show all my details in one place.

As a user (guest & host) I want to be able to display my home location, so other users can see where I host games / often play games.

As a user (guest & host) I want to be able to display information About me so that users can get an idea of whether we will get on (playing a round).

As a user (guest & host) I want to be able to display my handicap so that users can get an idea of whether we will get on (playing a round).

As a host I want to be able to show my linked courses so that other users can see where I can host games.

**Ratings thumbnail**

As a guest user I cant to be able to display my ratings thumbnail so that hosts can gauge my suitability for playing a game

As a host user I want to be able to view player ratings thumbnail so that I can gauge whether I want to host that player.

As a user (guest and host) I want to be able to expand ratings & comments display into a list so that I can view detailed information about ratings and comments because I know that averages / mean measures are not always helpful.

As a user (guest and host) I want to be able to view ratings in the form of a mean rather than average so that outlier values don’t skew the information. If I want more detail I can look through the past comments list.

**Live Feed**

As a user (guest & host) I want to be able to (in addition to notifications) view (my) suggested games so that I can identify a game I want to play.

As a host I want games that I am hosting to be visible to potential guests.

As a host I want games that I am hosting to be suggested to targeted potential guests based on available data.

**Cancel Booking**

[notes: we should be able to give a cost breakdown for adding machine learning service that is designed to catch off site transactions, so it doesn’t end up costing more than the money it would save]

As a product owner I want to be able to track available data that can suggest offsite transactions so that I can minimise loss of income from the app.

As a product owner I want the application to track when a user switches off geolocation in the app settings within a timeframe around the (cancelled) game so that a potential indicator of an offsite transaction can be recorded.

As a product owner I want to record geolocation of the guest user’s phone at the time of a booked (and subsequently cancelled game) to determine if the game went ahead.

As a product owner I want to detect patterns in game cancellations to be able to build up a picture of potential off site transactions.

As a product owner I want users to give a reason for cancelling a game and for reasons to be checked against available data

**Database Security**

As a user (guest / host) I want to be sure my data is secure and any use of my data is transparent and declared clearly so that I can trust the software I am using.

As a product owner I want to be able to back up data from the service(s) regularly so that data loss risk is minimised.

**Traffic**

As a product owner I want to be able to monitor traffic using the app to be able to collect data on user behaviour using the app

As a product owner I want to be able to monitor traffic using the app to be able to make data driven business decisions.

As a product owner I want to be able to collect and view stats on the apps performance and use so that I can make informed business decisions about the service.

As a product owner I want to be able to consult app logs so that I can detect and manage app functionality

New Features not covered in Skeleton Document

**Images**

As a user I want to be able to see images of golf courses in the app so it looks good and is rich in information about courses.

[get it so there can be images associated with a game at a course (generic image for course) so that adding functionality for user added images later on would be trivial]

**Search**

As a guest user I want to be able to search for games by major town in my area so that I can navigate quickly to relevant games.

As a guest user I want to be able to search for games by region so that a wider area / range of games can be viewed (as relevant to me).

**Fraud Detection**

(since one of the best ways of keeping transactions in the app is to make the app as easy to use as possible, and a pleasure in itself)

As a user (guest/host) I want to be able to have a fluid and frictionless experience using the app so that I keep coming back to it, enticed by games and courses I didn’t know about…

**UI Accessibility**

User interface, front end app will need to meet accessibility criteria. Therefore colour cannot be a functional aspect of the design, only decorative. Ensure high enough contrast and readability. Must be screen reader friendly.

As a partially sighted user I want to be able to view information in a clear format so that I can read it.

As a colourblind user I wan to to be able to view all relevant information in the app so that I can use it fully.

As a non technical user of the app i want to be able to interact with the service without having to have things explained to me.

**Data**

As a user I want the details about each course to be comprehensive so that I can determine if a course is suitable for me or not.

e.g.

Provide structured data on golf courses in format e.g.:

Name

Location (village/town etc)

Region

Country

Type (Parkland)

Length

Par

Holes

Contact

Address

Website

Image (+ attribution etc)

Description

Facilities

Map ref

**Encryption of personal information & data security**

As a user I want my personal details (sensitive) to be encrypted so that the security of my data is maintained.

[contact details, login, password] Public username will be the identifier used to share between host and guest.

**Machine Learning**

As a product owner I want to have the option to reward new connections in the app over repeat connections so as to reduce risk of off site transactions.

AS a product owner I want to be able to detect patterns in app use, in game hosting and playing so the business can benefit from these insights.

As a product owner I want to be able to track games not played so that I can refine the business model to drive more golf games to be played (company core goal)

A a product owner I want the machine learning service to be able to refer to context data as well as native data so that a richer , more detailed analysis can be made of golfer behaviours.

As a product owner I want to be able to pull user interaction data into a database to feed to the machine learning model so that patterns can be analysed.