

Functional Requirements

User Creation	
R1	<p>A user should be able to register in order to create a profile with the following information:</p> <ul style="list-style-type: none"> • First and last name • Mobile phone number • Email • Background (Optional) • D.O.B (Optional) <p>Appropriate data validation should be performed. There should be information indicating that providing a background and a date of birth allows us to improve our recommendation/search functionality for all users.</p>
R1b	Registration can be performed through Facebook integration. This application should not post to Facebook on behalf of the user
R1c	Users have a profile page and total control over what is publicly visible
Venue Creation	
R2	<p>A user must be able to create a register a venue with the following information:</p> <ul style="list-style-type: none"> • Address • Type <ul style="list-style-type: none"> ○ Nightclub ○ Restaurant ○ Theatre ○ Cinema ○ Other (TBD) • Dress code (Optional) • Opening times (Optional) • Contact information <p>Appropriate data validation should be performed.</p>
R2b	A verification process must exist so that the venue can only be published when the owner approves
R2c	There must be no venue duplication
R2d	A QR code and a bar code must be created for each approved venue
Event Creation	
R3	<p>A user must be able to create an event with the following information:</p> <ul style="list-style-type: none"> • A pre-registered venue • A date and time • A link to tickets (Optional) • Event type <ul style="list-style-type: none"> ○ Club night ○ Film ○ Performance ○ Other (TBD) • Dress code

	Events can be repeatable (e.g. for club nights that run once a week/month).
R3b	Before an event is published, the venue owner must approve it. Duplicate/overlapping events are at the owner's discretion
R3c	A QR code and a bar code must be created for each approved event.
Setting Points for a Venue/Event	
R4	A new venue is given a rating of 5/10. Existing venues covered in R5
R4b	A new event is given the average of the venue and previous events at that venue
R4c	A repeated event is given the average rating of previous occurrences of that event
Attending An Event or Venue and Awarding Points	
R5	When a user scans a QR code or bar code, it must be logged that they attended that event/venue.
R5b	A user must be awarded the number of points associated with that event/venue
R5c	A user should be prompted 12 hours after scanning to rate the event/venue out of 10
Venue Ratings	
R6	A venue database should record all ratings and set the venue's points equal to the average rating
Event Ratings	
R7	An event database should record all ratings in order to determine points for future events
Normal Application Usage	
R8	The home screen should be a navigation through venue/event recommendations for the user
R8b	There should be a tab that allows filtering of all venues/events on the following criteria: <ul style="list-style-type: none"> • Points • Quantity of people recently at that venue • The background of people recently at that venue • The age of people recently at that venue • Location
Profile Privacy	
R9	A user's profile can be: <ul style="list-style-type: none"> • Public • Hidden • Only visible to Facebook friends They must have the option to block specific users from their profile
Leaderboards	
R9	Public/Private leaderboards for users to compare their points tallies
R9b	Users should have total control as to which leaderboards their scores are published to
User Level System	
R10	A level system based on the number of points a user has achieved for each category of venue/event
Open Data	

R11	When viewing an event/venue, open data should be used to provide transport links.
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Non-functional Requirements

N1	Scalability – The user experience should not be affected as the service grows, potentially into millions of users.
N2	Security – All personal data must be encrypted.
N3	Availability – The application will be used at all times of day and night. It must be available > 99%
N4	Usability – The application is aimed at a very wide and varying population. It spans all people 12 years and over as well as people from all technical backgrounds.
N5	Portability – It must be deployable on all mobile platforms.
N6	Extensibility – New features may be required in future. Also new event/venue types may be incorporated in later versions.