INB373  
Assignment Proposal

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# Project Brief

Ever wanted to attend your favourite sporting or music event but couldn’t make it to the venue? What if you could be best seat for the Champions League final, live from the comfort of your own home? Virtual Reality is becoming a reality, coupling this with live, high definition, stereoscopic 360˚ video and audio RealXP˟ aims to put you in the venue for the real experience.

This project will leverage .NET technology to sell tickets to RealXP˟ events, showcase the experience and allow customers to join events.

The project will not actually provide a RealXP experience event using Virtual reality, but rather demonstrate what the website selling and hosting this service might look and function like.

# Interface Functionality

* Display events and pricing
* Display venues
* Showcase user experience
* Display user venue reviews
* Booking of events (simulated ecommerce)
* Joining event (no actual event shown, a placeholder video will be used on an ‘always open’ event)
* Customer authentication
* Customer account management
* Customer action logging

# Database Schema (alpha)

The database schema is described below in Relational Notation. This is an alpha release of the database and the schema may change.

cameras (camera\_id, camera\_brand , camera\_model, camera\_max\_seats, camera\_resolution\_x, camera\_resolution\_y, camera\_has\_audio, camera\_fps)

event\_seats (event\_seat\_id, event\_id, seat\_id, event\_seat\_sell\_capacity, event\_seat\_price)

events (event\_id, venue\_id, event\_start\_time, event\_end\_time, event\_name)

payment\_methods (payment\_method\_id, payment\_method\_name)

payments (payment\_id, payment\_method\_id, payment\_successful, payment\_gateway\_transaction\_reference)

seats (seat\_id, camera\_id, venue\_id, seat\_capacity, seat\_number, seat\_row, seat\_section, seat\_description, seat\_sample\_view)

user\_addresses (user\_address\_id, user\_id, user\_address\_name, user\_address\_country, user\_address\_city, user\_address\_state, user\_address\_line1, user\_address\_line2, user\_address\_line3, user\_address\_line4, user\_address\_postcode)

user\_logs (user\_logs\_id, user\_id, users\_logs\_action, users\_logs\_timestamp)

user\_purchases (user\_purchase\_id, event\_seats\_id, payment\_id, user\_purchase\_timestamp)

users (user\_id, user\_email, user\_password\_hash, user\_password\_salt, user\_firstname, user\_lastname

venue\_reviews (venue\_review\_id, venue\_id, user\_id, venue\_review\_review, venue\_review\_rating)

venues (venue\_id, venue\_name, venue\_coords, venue\_country, venue\_city, venue\_state, venue\_address\_1, venue\_address\_2, venue\_address\_3, venue\_postcode)