

Team CtrlAltElite:

AnneMarie Sabatini
Sarah Richards
Carissa Barrett
Derek Rogers
Ryan Gerard



Event-full: Realms of Arcadia, Unite!

University of North Texas

Sponsor:
Stephanie Ludi

ARCADIA

UNT CSE
Department

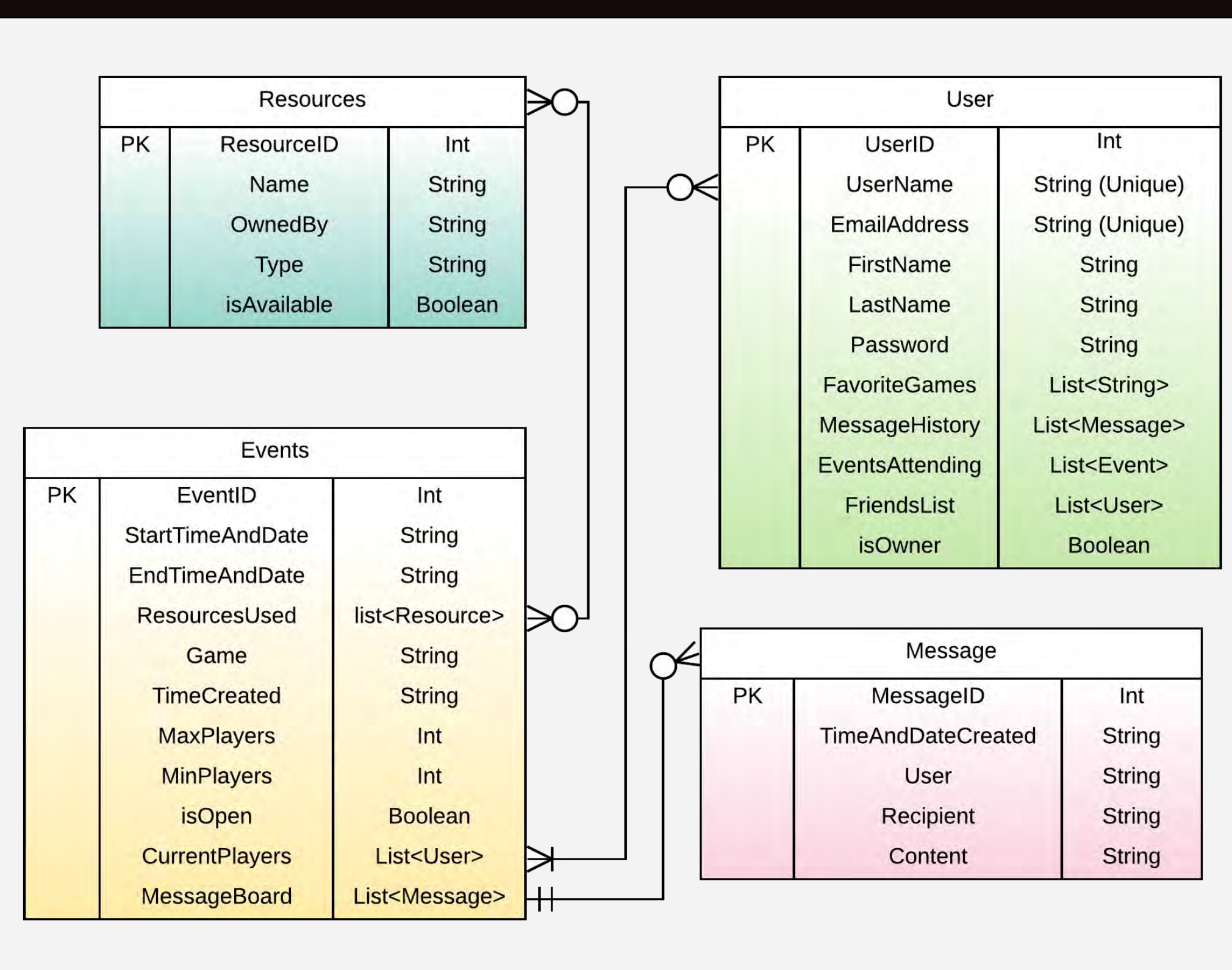
Purpose

Event-full is an application that aims to streamline the scheduling and viewing processes for events hosted by the game shop Realms of Arcadia. It also aims to make event creation more interactive and comprehensive for customers.

Design

Event-full uses an MVC architecture to create a fast and secure application. The application uses MongoDB Atlas as the cloud database with Express models that define the data structure. Express serves as the back-end web framework that is part of the controller in the MVC architecture. Node is used as a back-end runtime environment, and Angular is the front-end framework that handles the view and controller components in the final MVC architecture.

Entity Relationships



Feature Highlights

View Current Events

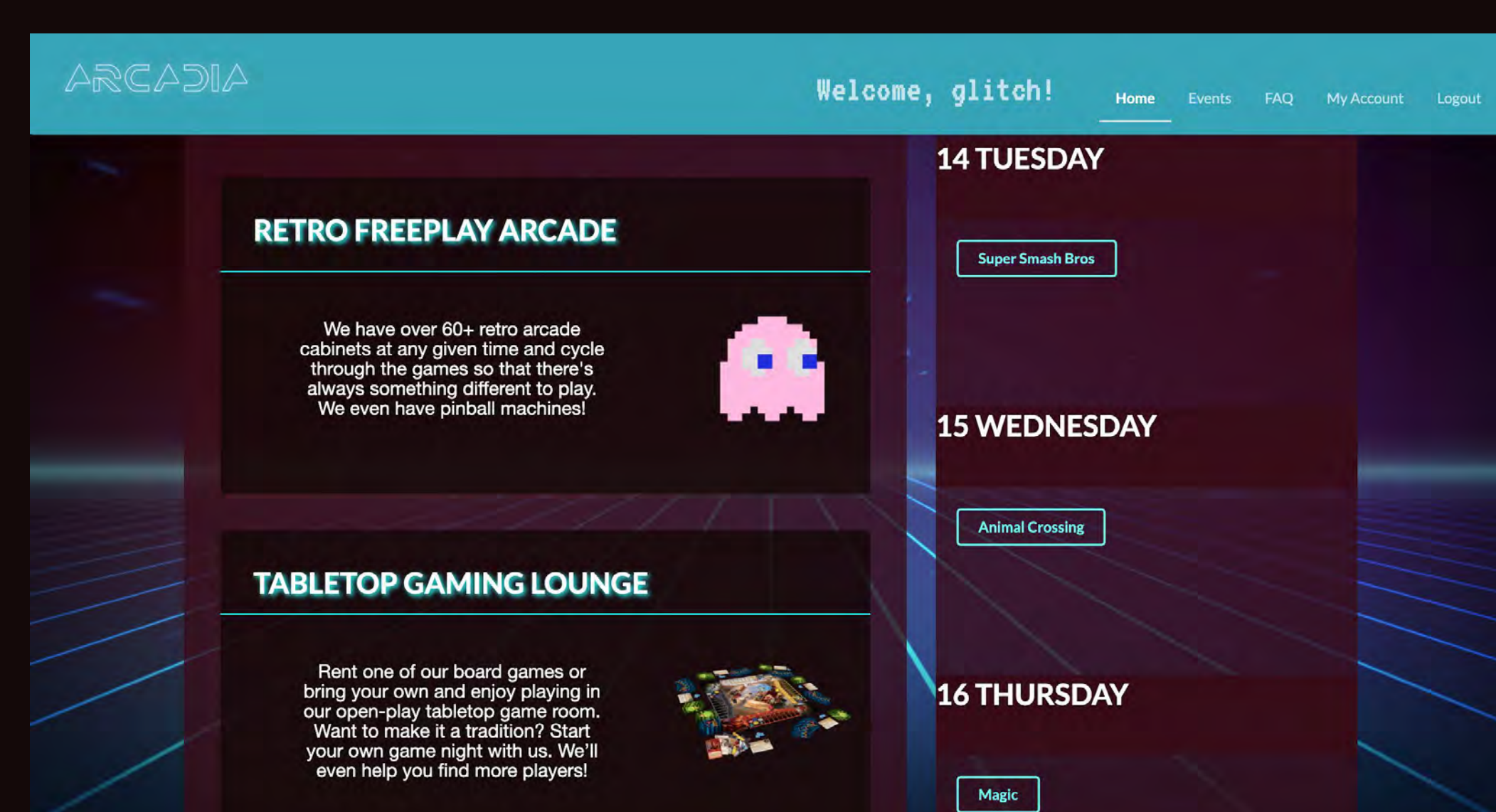
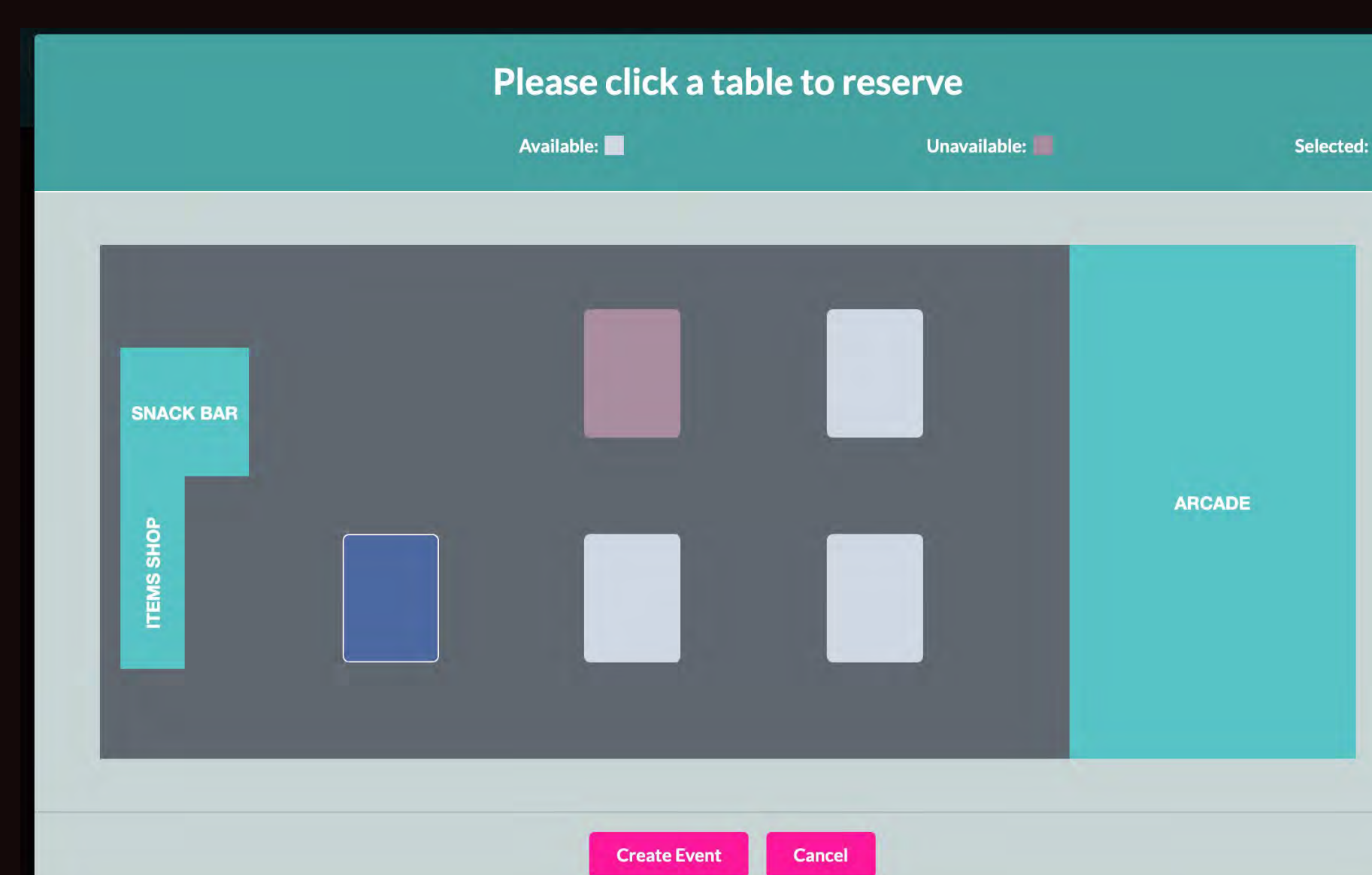
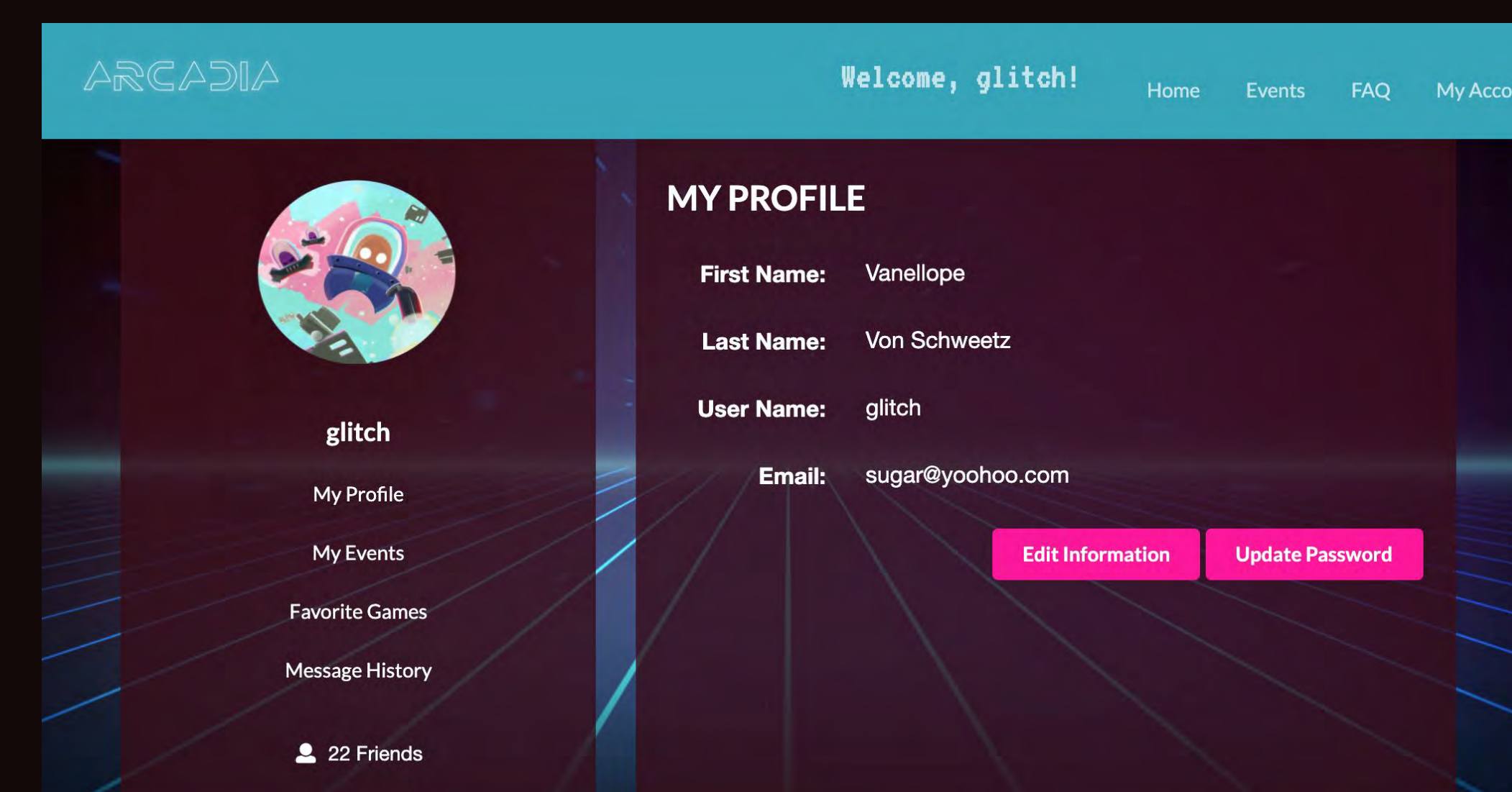


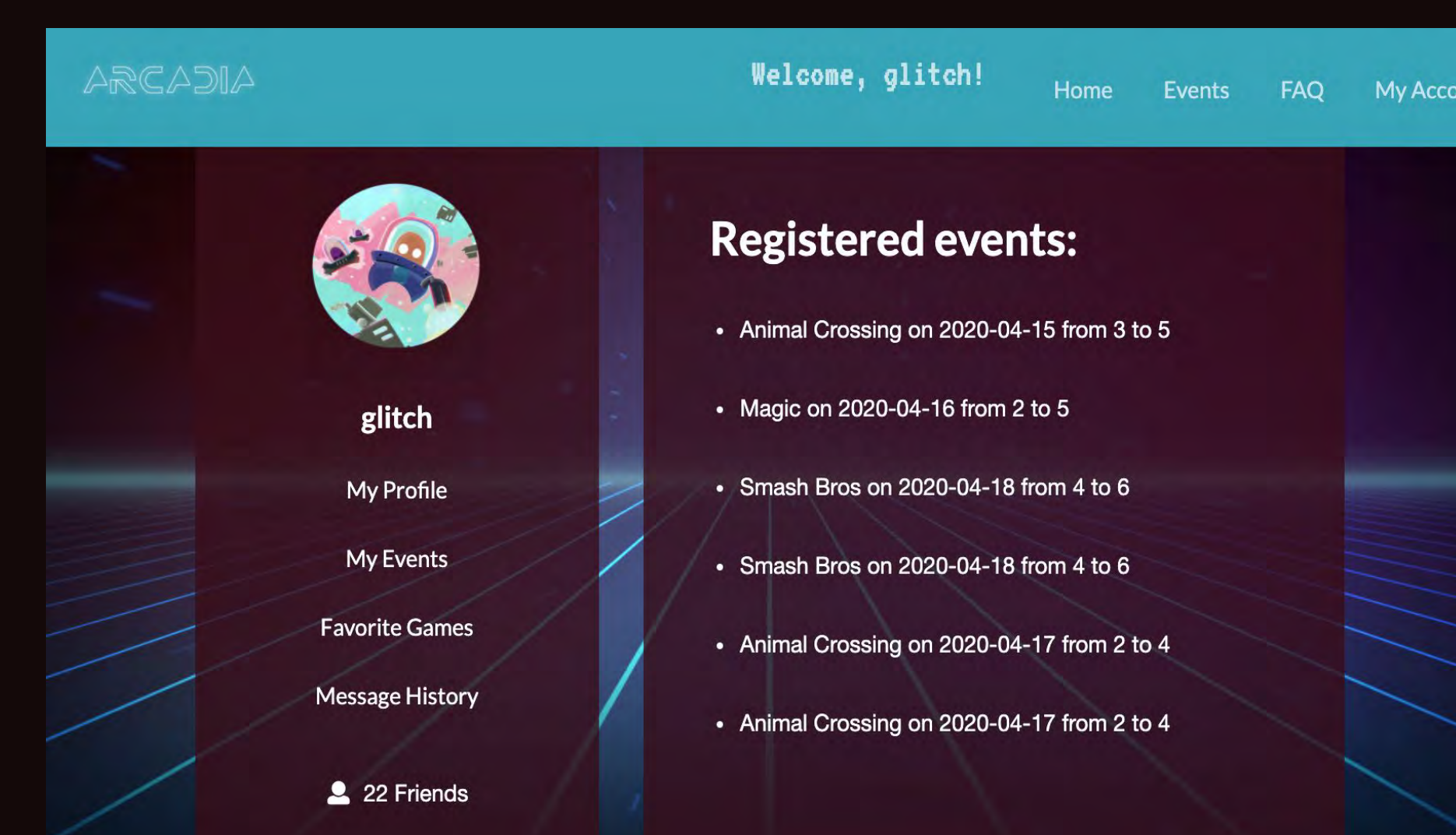
Table Reservations



Account Management



View Upcoming Events



Full Feature List

- Home
 - View store information
 - View current events
- Events
 - View calendar of events
 - Create event and reserve tables
 - Join or leave event
- FAQ
 - View answers to common questions
 - Find solutions to existing issues
 - Contact store owner via email
- Account Management
 - Update user information
 - View upcoming events registered for

Testing

Multiple testing approaches were considered during test planning and execution of the Event-Full application. Testing was conducted through two main approaches:

- Automatic
 - Unit testing new/existing Angular components
 - Unit testing Typescript methods within components
 - Verifying new/existing functionality through automated tests
 - Continuous integration via GitHub pipelines
- Manual
 - Cross browser testing - test core functionality in IE9+, Chrome, and Safari
 - Manual test case execution - Perform actions to meet expected behaviors and compare the expectation to the result
- Functional testing
 - Using Cypress automated functional testing framework to generate automatic testing scenarios
 - Ensure application components communicate and pass data accordingly

MEAN Stack

