

## 4 Solution Prototype

### 4.1 Prototype Documentation & Code

[Here](#), you can access our Prototype Documentation and Code through Google Drive.

### 4.2 Technical Solution Architecture Overview

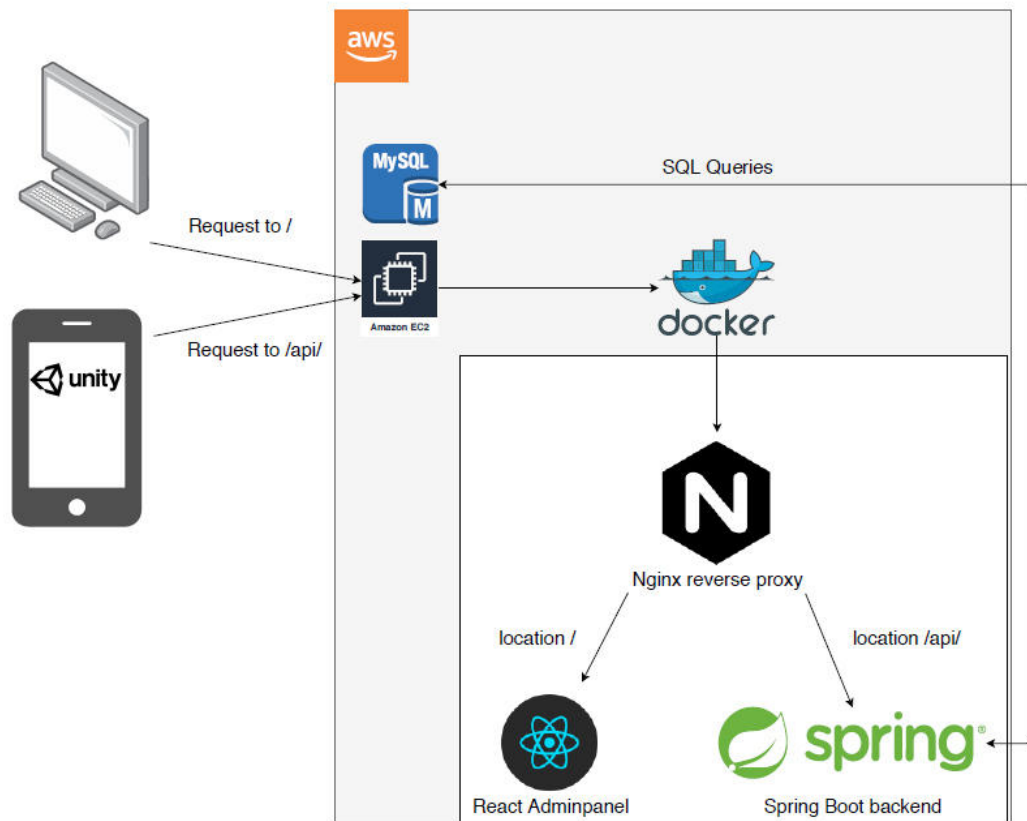


Figure 8: TipTabToe Technical Architecture Overview

### 4.3 Prototype Demo Video

The Demo Prototype video can be accessed through the link:  
<https://drive.google.com/file/d/1KFxLsV5exEj97QBCDu1pJE1xpr8SkIk0/view?usp=sharing>

### 4.4 Prototype Software

Here, the link to the Prototype (.apk) for Android:  
<https://drive.google.com/file/d/1w3zcKokIMnB4beeh3FixweY5rv6jMSyc/view?usp=sharing>

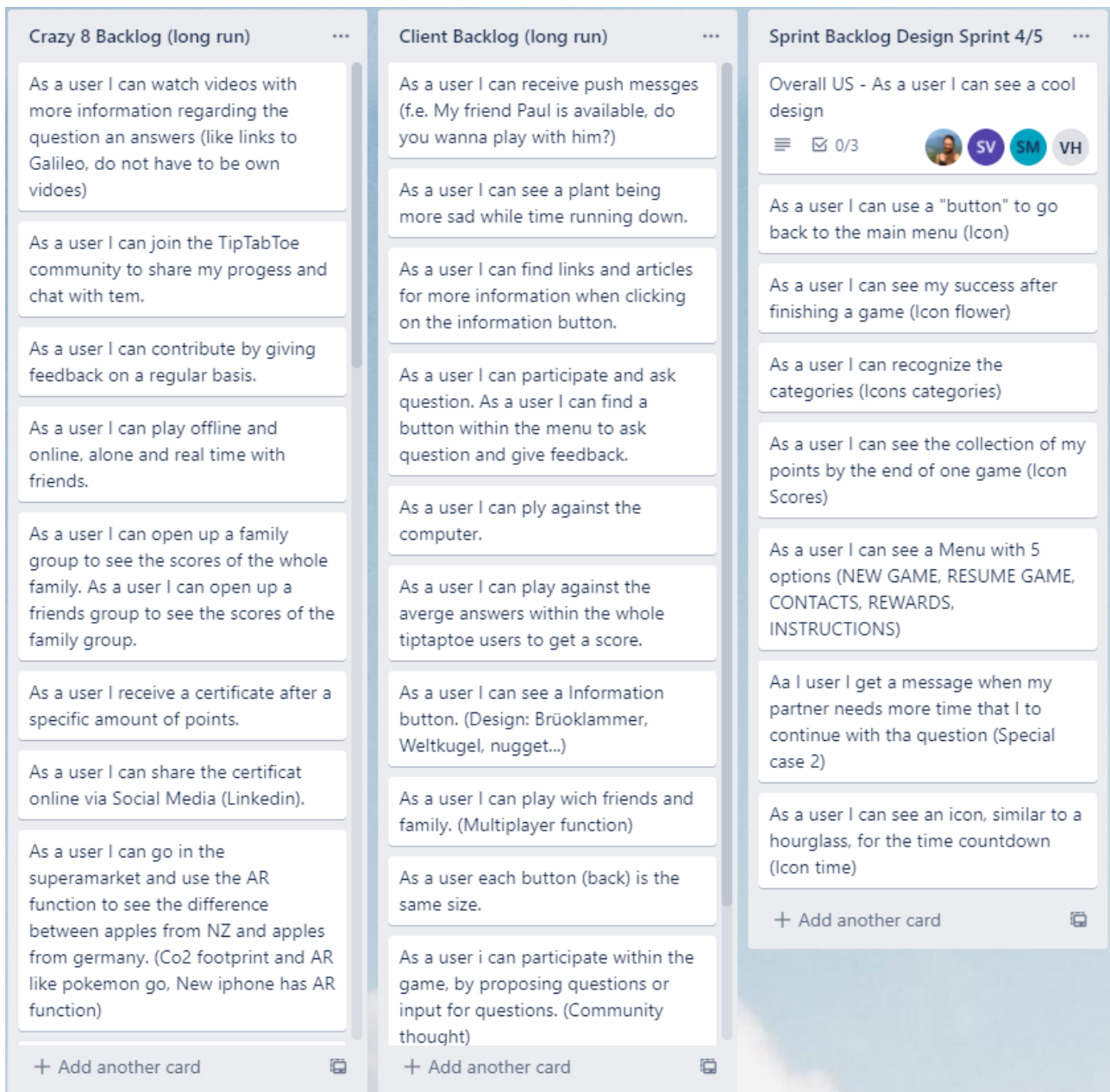
## 4.5 Quiz Questions used in TipTabToe

Using the link [here](#), you can a table that shows how our questions were developed and approved.

## 4.6 Tangible Sprint Deliverables

### Overview of the remaining Product Backlog

Here is a short overview of our current Kanban board using Trello that shows our remaining product backlog. Our Trello board can be accessed using the link [here](#).



Crazy 8 Backlog (long run)	Client Backlog (long run)	Sprint Backlog Design Sprint 4/5
As a user I can watch videos with more information regarding the question an answers (like links to Galileo, do not have to be own vidoes)	As a user I can receive push messges (f.e. My friend Paul is available, do you wanna play with him?)	Overall US - As a user I can see a cool design
As a user I can join the TipTabToe community to share my prograss and chat with tem.	As a user I can see a plant being more sad while time running down.	As a user I can use a "button" to go back to the main menu (Icon)
As a user I can contribute by giving feedback on a regular basis.	As a user I can find links and articles for more information when clicking on the information button.	As a user I can see my success after finishing a game (Icon flower)
As a user I can play offline and online, alone and real time with friends.	As a user I can participate and ask question. As a user I can find a button within the menu to ask question and give feedback.	As a user I can recognize the categories (Icons categories)
As a user I can open up a family group to see the scores of the whole family. As a user I can open up a friends group to see the scores of the family group.	As a user I can ply against the computer.	As a user I can see the collection of my points by the end of one game (Icon Scores)
As a user I receive a certificate after a specific amount of points.	As a user I can play against the averge answers within the whole tiptaptoe users to get a score.	As a user I can see a Menu with 5 options (NEW GAME, RESUME GAME, CONTACTS, REWARDS, INSTRUCTIONS)
As a user I can share the certificat online via Social Media (Linkedin).	As a user I can see a Information button. (Design: Brücklammer, Weltkugel, nugget...)	Aa I user I get a message when my partner needs more time that I to continue with tha question (Special case 2)
As a user I can go in the superamarket and use the AR function to see the difference between apples from NZ and apples from germany. (Co2 footprint and AR like pokemon go, New iphone has AR function)	As a user I can play wich friends and family. (Multiplayer function)	As a user I can see an icon, similar to a hourglass, for the time countdown (Icon time)
As a user each button (back) is the same size.	As a user i can participate within the game, by proposing questions or input for questions. (Community thought)	
+ Add another card	+ Add another card	+ Add another card