

DoDiDo

Manage and work on todo list with group

Project Definition

Team Members:

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Highlights

Product Name: DoDiDo

Product Short Description:

Make a board with cards lists that you can control and share with friends or work.

Users:

Guests, Board Creator, users

Key features:

Browse/select board, Manage board, Lock list by creator, change order of todo in list, make comments on lists, get exp and levels by completing Todos (API habitica)

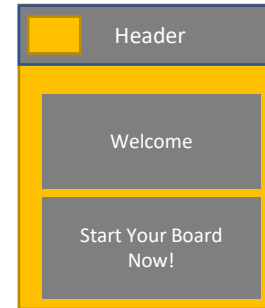
Guest mode:

Guest Showcase base board without sharing it.

Main Pages

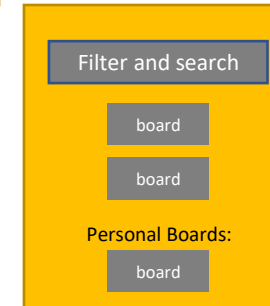
Home page

Welcome message and tutorial.



Board list

See all Boards, filter, search by name / status etc

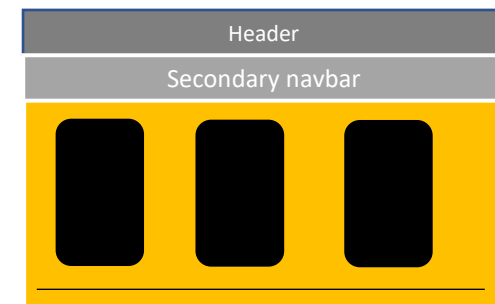


Board

See cards list, manage the lists and todos within, add todos, move lists and todos and cards between, Change backgournd color of cards, add cards, share, invite users to work as a group, etc

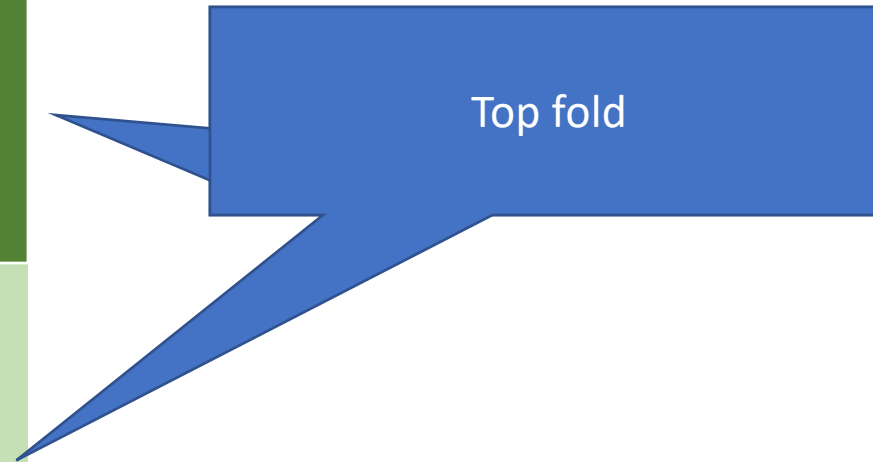
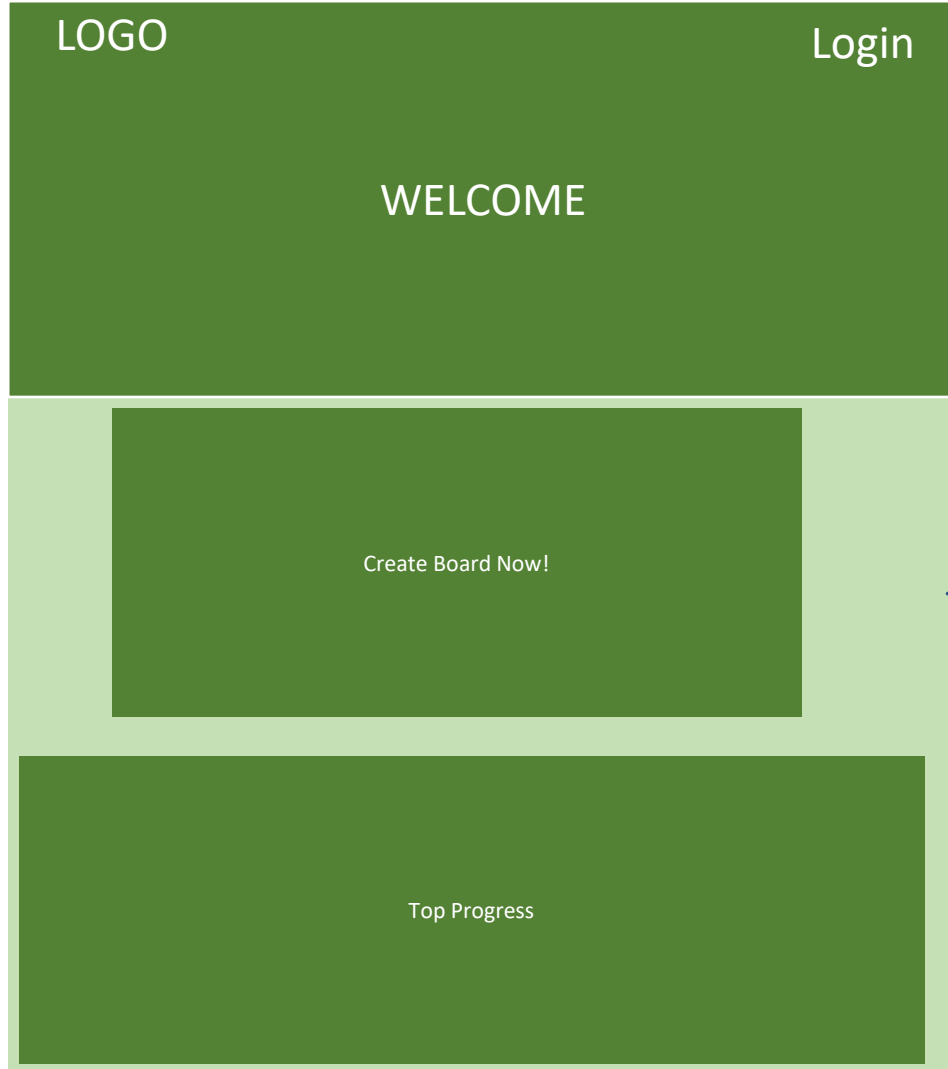
Board creator view

Login/Signup

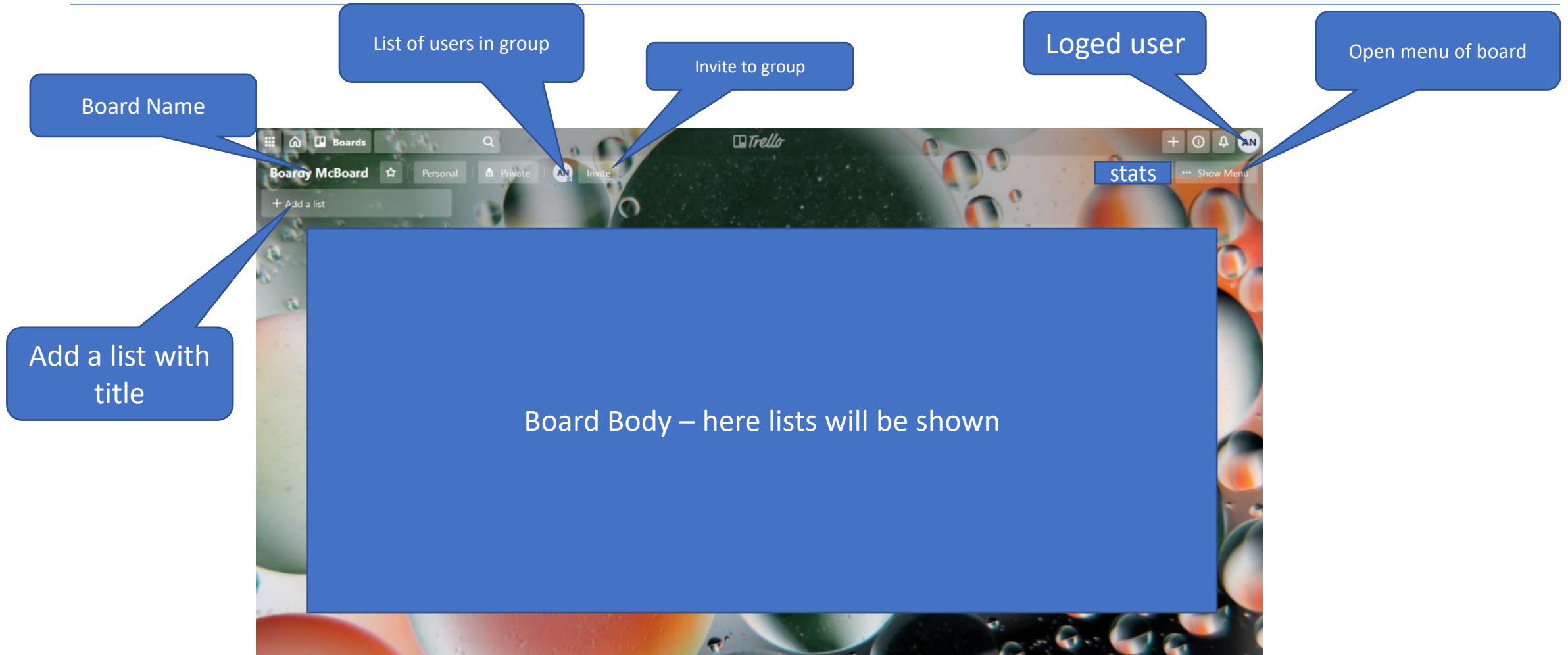


Main Pages UX

Home page – Top Fold, Below Fold



Main component – Board Preview



Card Details Page

Card title

Who is working on this card

Card

in list [Things To Do](#)

LABELS

+

Description

Add a more detailed description...

Attachments




image.png

Added 2 minutes ago - [Comment](#) - [Delete](#) - [Edit](#)

[Remove Cover](#)


Add an attachment

Checklist

0%

Add an item

Activity



Write a comment...

ADD TO CARD

Members

Labels

Checklist

Due Date

Attachment

POWER-UPS

Get Power-Ups

Get unlimited Power-Ups, plus much more.

[Upgrade Team](#)

ACTIONS

Move

Copy

Make Template

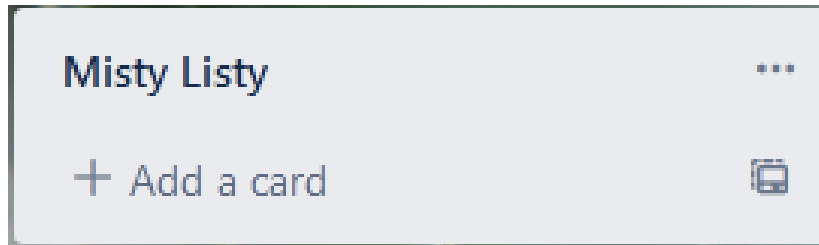
Watch

Archive

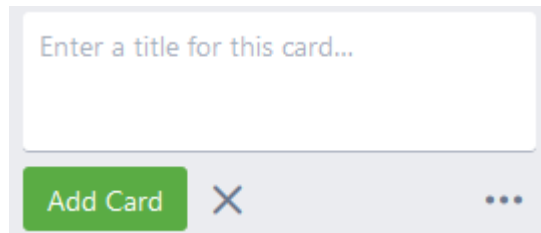
Share

comments

Board > Add List



List > Add card



Login Page

LOGO

Log in to Trello

Enter email

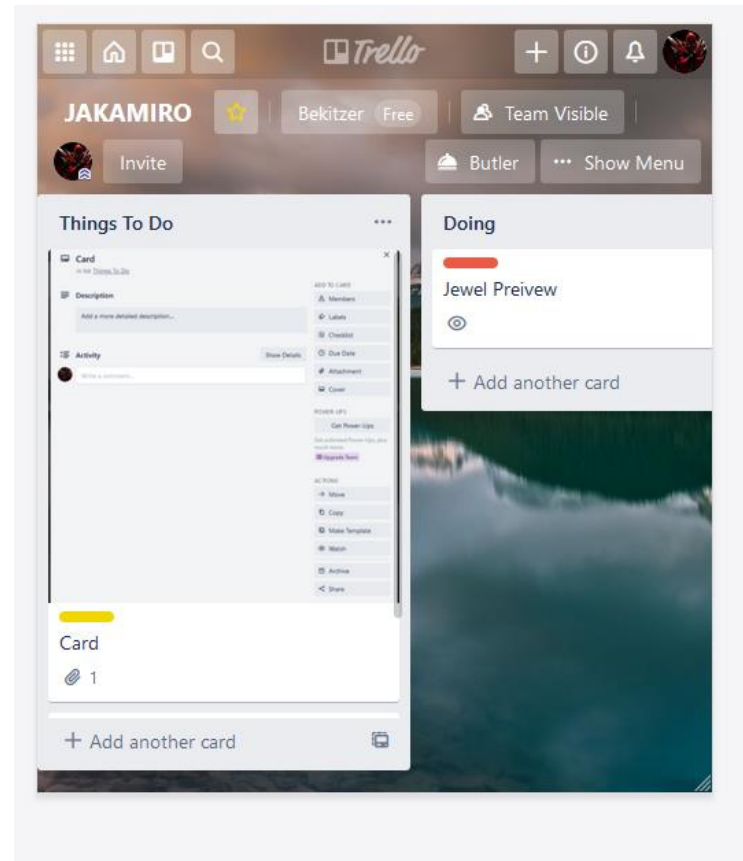
Enter password

Log In

[Privacy Policy](#) • [Terms of Service](#)

English (US) ▼

Main pages - mobile view



GUEST Mode

User is asked to login when:

doing something else than private board

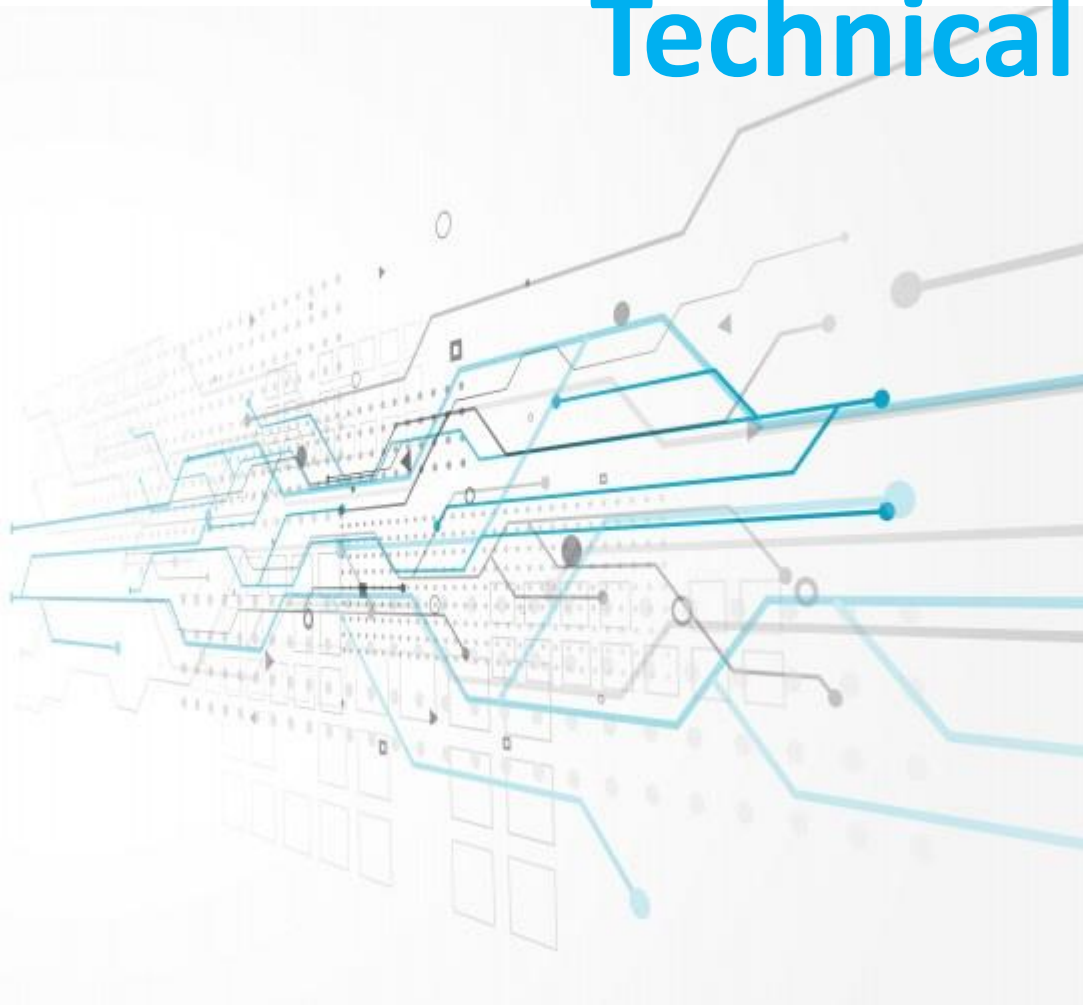
How Guests appear:

"Guest"

Special Functionality for Demo

Tutorial Mode in new board

Technical Design



Data Model

User

```
{  
  "_id": "u101",  
  "fullName": "Gal Rondel",  
  "userName": "gal@Todoiahu.com",  
  "password": "WhyImHere123",  
  "lastLoginAt": 4213425,  
  "phone": "972544436302",  
  
  // "starBoards": [{Board}, {Board}],  
  "imgUrl": "http://some-img/troll.jpg"  
}
```

Board

```
{
  "_id": "5c09",
  "name": "BoardMcBoardy",
  "desc": "this board is board",
  "background": "/fdsfsdfds.jpg",
  "createdBy": {mini-user}
  "members": [{mini-user},{mini-user}],
  Activities:[]
  "cardLists": [
    {
      "title": "Grabage bin",
      "id": "recycleBin_5c09",
      "cards": [{card},{card}]
    }
    {
      "title": "The End Sprint",
      "_id": "s1001",
      "isLock": false,
      "cards": [card.id , card.id]
      "createdBy": user.id
    }
  ]
}
```


Card

```
{
  "id": "5c09",
  "title": "Do It",
  "labels": [{"title": "IT", "color": "red"}, {"title": "", "color": "orange"}],
  "createdBy": {mini-},
  "cardMembers": [{mini}],
  "desc": "lorem blabla bla bla bla",
  "dueDate": 541323455,
  "
    "cheklists": [
      {
        "id": "145fs3",
        "title": "checklist22",
        "todos": [{
          "id": "14sf3",
          "text": "lorem blabla bla bla bla",
          "doneAt": 14325434545,
          "doneBy": {mini-user}
        }]
      },
    ],
    "attachments": [{
      "_id": "23s43",
      "name": "lorem",
      "url": "/img/ape.jpg"
      "addedBy": user.id,
    }],
}
```

Activity

```
{  
  "_id": "5c09",  
  "by" : {mini-user},  
  "card" : {mini-card},  
  "txt" : "Chaged Color"  
  "at" : 54523423,  
}
```

Aviv changed color of task: Fix the Bug

```
{  
  "_id": "5c09",  
  "by" : {mini-user},  
  "txt" : "Change description"  
  "at" : 54523423,  
}
```

Aviv changed description of the board

Activity

```
{  
  "_id": "5c09",  
  "by" : {mini-user},  
  "card" : {mini-card},  
  "txt" : "Moved Card"  
  "at" : 54523423,  
  "targetList: {mini-list}  
}
```

Aviv moved Card Fix the Bug to list Testing

Store

Reducer

user

board

card

Actions

login

logout

Board Reducer

State

board

boards

currCard

Actions

addList

addCard

removeList

removeCard

moveList

moveCard

starBoard

loadBoard

inviteUser

archiveCard

User Reducer

State

user

Actions

login

logout

updateUser

signUp

Card Reducer

State

card

Actions

updateCard

Socket

Per Station Socket

Socket is connected when entering a specific station and closed when leaving a station

Socket Protocol

on

boardUpdated(boardId)

stationLeft(user)

playlistUpdated (playlist – an array of songs)

activeSongChanged (songId, time)

newChatMsg (msg)

emit

updateBoard(boardId)

joinStation (stationId)

leaveStation (stationId)

updatePlaylist(playlist)

changeActiveSong (songId, time)

sendMsg (msg)

Pages and Components

Pages

Page	Description	Routing
Homepage	Easy to read welcome page with a intro	/
Boards	Page that can show all boards of users	/:username/boards
BoardDetails	Show the lists	/b/:boardid/:boardname
CardDetails	Expand full details of card	/c/:cardid/:cardtitle
Statics	Stats about this board	/b/:boardid/:boardname/statics
Profile		/:username
loginSignupPage	Login / Signup	/signup

Components

Component	Props	State	Description
BoardPreview	board		Preview the background of board + title
BoardList	boards		List of boards
songSearch			Allow the user to find a song and emit to parent
CardPreview	cards		Preview the card title + icons of what inside
CardList	cards		List of boards

Used Techs and APIs

Ajax and REST API

CRUDL for stations with axios and Node.js

Authentication

User/password and server session

Storage

Cloundinary to store users profile and station images

Database

Mongodb on Atlas cloud databases

Web Sockets

Multi room with a Socket per station

Youtube API

Add and play songs from Youtube based on user search

Share

Share to Facebook (if time permits)

Thanks