

Project Planning


Badjir is your home for quiz fun! Test your knowledge on a variety of topics with ready-made quizzes, or create your own challenges for your friends or other badjjrs.

User Stories
As a user, I want to have quizzes sorted by category so that I can test my knowledge in a specific category.
As a user, I want to see my score at the end of the quiz so that I know how I did.
As a user, I want a history of my past quizzes/scores so that I can reattempt the quizzes in which I scored low.
As an instructor, I want to create a quiz with "About Me" questions so that I can build rapport with my students.

MVP
User Accounts: <ul style="list-style-type: none">• The user can create an account with their username, email, and PW.• With a registered account, the user can see past quizzes/scores and a link to each quiz if they want to retake any.• With a registered account, the user can create their own quizzes through a form with options to edit or delete the quizzes later.
Quizzes: <ul style="list-style-type: none">• Quizzes are displayed by category (e.g., animals, geography, Class 509, etc.).• When the user selects a category, quizzes matching that category are returned.• When the user selects a quiz, the questions and answer options are displayed with a submit button at the end.• Question types are limited to multiple choice and boolean.• After the user submits their answers, their score is displayed.

Stretch Goals
Display quiz questions one at a time.
After the user submits their answers, they can see which ones they got right and wrong.
The user can password-protect their created quizzes.
The user can flag quizzes deemed inappropriate.
Quizzes have a time limit.
There is a leaderboard. Users earn points for completing quizzes, the amount of points dependent on their accuracy.

Wireframes




Username

Email


Password

SIGN UP FORM



Hey, **bradjjr**!
What do you wanna do?

PAGE AFTER SIGNING IN




Title

of Questions

Category

FORM TO CREATE A QUIZ



ANIMALS

GEOGRAPHY


CLASS 509

CELEBRITIES

HOUSEHOLD ITEMS

DEBUGGING

QUIZ CATEGORIES



Question 9 of 10

How many species of badgers are there?


- ☒ 2
- ☐ 4
- ☐ 8
- ☐ 10

Question 10 of 10

Badgers are carnivores.

- ☐ True
- ☒ False

QUIZ QUESTIONS



YOUR PAST QUIZZES

OCEANS11 by clooney12
Category: Movies
Score: 70%

FIGHTCLUB by m_ali_fan
Category: Sports
Score: 50%

QUIZ HISTORY

```
const quizSchema = new mongoose.Schema (
  {
    title: String,
    numberOfQuestions: Number,
    category: String,
    questions: [questionSchema],
    creator: {type: mongoose.Schema.Types.ObjectId, ref: 'User'}
  },
  { timestamps: true }
)

const questionSchema = new mongoose.Schema (
  {
    type: { type: String, required: true },
    question: { type: String, required: true },
    correctAnswer: { type: String, required: true },
    incorrectAnswer: [{ type: String, required: true }]
  }
)

const userSchema = new mongoose.Schema (
  {
    username: {type: String, required: true, unique: true}
    email: {type: String, required: true, unique: true}
    password: {type: String, required: true},
  }
)
```

Sample Quiz Questions

Category: People

Title: SEIR-59 2TRUTHS1LIE

```
{
  type: "multiple choice",
  question: "Which one is Tom's lie?"
  correctAnswer: " ?????????????? "
  incorrectAnswer: ["I own four cats.", "I was on the equestrian team
in high school.", "My favorite color is brown."]
},
{
  type: "multiple choice",
  question: "Which one is Esin's lie?"
  correctAnswer: " ?????????????? "
  incorrectAnswer: ["I own four cats.", "I was on the equestrian team
in high school.", "My favorite color is brown."]
},
```

Category: Snacks (5 questions - got lazy)

```
{
  type: "multiple choice",
  question: "What is the official chip of the NBA?"
  correctAnswer: "Ruffles"
  incorrectAnswer: ["Doritos", "Lays", "Fritos"]
},
{
  type: "multiple choice",
  question: "What is the first name of that mustached man on every Pringles can?"
  correctAnswer: "Julius"
  incorrectAnswer: ["Gerard", "Edward", "Charles"]
},
{
  type: "boolean",
  question: "A dentist invented cotton candy."
  correctAnswer: "True"
  incorrectAnswer: ["False"]
},
{
  type: "multiple choice",
  question: "What flavor does a Haribo green gummy bear have?"
  correctAnswer: "Strawberry"
  incorrectAnswer: ["Watermelon", "Lime", "Apple"]
},
{
  type: "boolean",
  question: "Jelly Belly makes a line of energy beans called Sport Beans."
  correctAnswer: "True"
  incorrectAnswer: ["False"]
},
}
```

Category: Largest, tallest, and smallest around the Globe

```
{
  type: "multiple choice",
  question: "In which city you would find the world tallest building?"
  correctAnswer: "Dubai"
  incorrectAnswer: ["New York City", "Taipei", "Shanghai"]
},
{
  type: "multiple choice",
  question: "With an average altitude of 1.56 miles, what is the
highest continent?"
  correctAnswer: "Antarctica"
  incorrectAnswer: ["North America", "Europe", "Asia"]
},
{
  type: "multiple choice",
  question: "Located northeast of Papua New Guinea, what is the
world's smallest island nation?"
  correctAnswer: "Nauru"
  incorrectAnswer: ["Maldives", "Barbados", "Malta"]
},
{
  type: "multiple choice",
  question: "Located near Lake Titicaca, what is the world's highest
national capital?"
  correctAnswer: "La Paz, Bolivia"
  incorrectAnswer: ["Bern, Switzerland", "Addis Ababa, Ethiopia",
"Katmandu, Nepal"]
},
{
  type: "multiple choice",
  question: "Measured from it's base on the ocean floor, what is the
world's tallest mountain?"
  correctAnswer: "Mauna Kea"
  incorrectAnswer: ["Mount Fuji", "Mount Everest", "Mount Kilimanjaro"]
},
```

Category: Animal (Badger Edition) **Who wrote this. This is amazing!**

```
{
  type: "multiple choice",
  question: "What are baby badger's called?"
  correctAnswer: "Cub"
  incorrectAnswer: ["Boar", "Sow", "Kitten"]
},
{
  type: "boolean",
  question: "Badgers are part of the rodent family"
  correctAnswer: "False"
  incorrectAnswer: ["True"]
},
{
  type: "boolean",
  question: "Badgers are nocturnal animals."
  correctAnswer: "True"
  incorrectAnswer: ["False"]
},
{
  type: "multiple choice",
  question: "What is a badgers favourite food?"
  correctAnswer: "Earthworms"
  incorrectAnswer: ["Tree bark", "Fish", "Elderberries"]
},
{
  type: "multiple choice",
  question: "What type of badger is considered the most ferocious and aggressive badger?"
  correctAnswer: "Honey Badger"
  incorrectAnswer: ["Ferret Badger", "American Badger", "Greater Hog Badger"]
},
}
```

Software Engineering Basics Quiz

```
{
  title: 'Software Engineering Basics',
  numberOfQuestions: 10,
  category: 'Software Engineer',
  questions: [questionSchema],
}
```

```
[{
  type: 'multiple choice',
  question: 'What programming language does the MERN stack all have
in common?',
  correctAnswer: 'JavaScript',
  incorrectAnswer: ['Python', 'C#', 'JSON']
},
{
  type: 'multiple choice',
  question: 'What was the original name of JavaScript?',
  correctAnswer: 'Mocha',
  incorrectAnswer: ['Java', 'spiderMonkey', 'DynamicScript']
},
{
  type: 'boolean',
  question: 'Express is a strict frame',
  correctAnswer: 'false',
  incorrectAnswer: ['true']
},
{
  type: 'multiple choice',
  question: 'What is the correact code snipped to checkout a new
branch in Git name dev?',
  correctAnswer: 'git checkout -b dev',
  incorrectAnswer: ['git checkout dev', 'git checkout new dev', 'git
create branch dev']
},
{
  type: 'multiple choice',
  question: '{} == {} will return ____, while {} === {} will return
____.',
  correctAnswer: 'False, False',
  incorrectAnswer: ['True, False', 'True, True', 'Undefined,
Undefined']
},
{
  type: 'multiple choice',
  question: 'Which company created React?',
  correctAnswer: 'Facebook',
  incorrectAnswer: ['Google', 'Microsoft', 'Amazon']
},
{
  type: 'boolean',
  question: 'The API is where the application data is stored.',
  correctAnswer: 'False',
  incorrectAnswer: ['True']
},
{
  type: 'multiple choice',
  question: 'In React, the parent passes data to its child
```



```
components in the form of:',
  correctAnswer: 'Props',
  incorrectAnswer: ['Arguments', 'State', 'Parameters']
},
{
  type: 'multiple choice',
  question: 'What is a REPL?',
  correctAnswer: 'A Node CLI tool that evaluates and returns
JavaScript code expressions in the terminal. ',
  incorrectAnswer: ['The snapshot taken of the Virtual Dom in React
right before an update is made', 'Response Evaluation Process Line
used in asynchronous error handling with the Try/Catch syntax', 'A
tech-stack utilizing React, Express, Python, and LiveScript']
},
{
  type: 'boolean',
  questions: 'If you were to run typeof on NaN it would return
number.',
  correctAnswer: 'True',
  incorrectAnswer: ['False']
}]
```