

Project Proposal

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CS 546 Section B

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Collection Name: Candidate(s)

Description: The candidate collection will store the candidate's id, name, password, and quiz scores. The candidate will be able to log in, take quizzes, view the answers to these exams, and see all of their recorded test scores

```
{
  "_id": "5cd983fb10a77a19b9a01df8",
  "name": "Mike Dineen",
  "hashedPassword": "$2b$16$I7HB5cGijrEPNwHdjK10c.x2KVpDGnDj
                    TpVAhdaebP0GajgCCntZa"
}
```

Name:	Type:	Description:
_id	ObjectID	The candidate's unique id
name	string	The name/username of the candidate
hashedPassword	string	An encrypted version of the candidate's password

Collection Name: Quiz(zes)

Description: This collection is used to store the information of the quizzes that the user has taken along with their corresponding scores.

```
{
  "_id": "5cd98bf93c1bd61adbb5ab30",
  "user": "5cd98bdf3c1bd61adbb5ab2f",
  "quizName": "dogQUIZ",
  "quizScore": "4/5"
}
```

Name:	Type:	Description:
_id	ObjectID	The quiz's unique id
user	ObjectID	The id of the user who take the quiz
quizName	String	The name of the quiz
quizScore	String	The score that the candidate received on that quiz

Collection Name: Creator(s)

Description: The creator collection will store the administrator's id, name, password, and quiz question ID's. Creators will have the ability to log in and create quiz questions, which they can then assign to quizzes. All of the questions will be stored in a separate collection and can be accessed at any time **only** by the administrator who created them. In other words, the creator will not create quizzes, but will instead create questions which can be individually assigned to quiz structures.

```
{
  "_id": " 5cd9840810a77a19b9a01dfb",
  "name": "Patrick Hill",
  "hashedPassword": "$2b$16$HSQe2gPcoAkKjC5auXr0auZZSM4mt
                    VNRVzI3vJWBwkXoyNWRODU3i"
}
```

Name:	Type:	Description:
_id	ObjectID	The administrator's unique ID
name	String	The name/username of the Administrator
hashedPassword	String	An encrypted version of the creator's password

Collection Name: Questions(s)

Description: The question collection will contain all of the quiz questions stored in a single database, along with the id of the administrator who created it, its own unique quiz_id, a string of the question's contents, and a correct answer.

```
{
  "_id": "5cd9841a10a77a19b9a01e00",
  "creator": "5cd9840810a77a19b9a01dfb",
  "content": "How tall is the Empire State Building",
  "answer": ["1,454 feet"],
  "options": [ "2 feet", "3,000 feet", "1,555 feet" ]
}
```

Name:	Type:	Description:
_id	ObjectID	The unique ID associated with this particular question can be used by the administrator to look up specific questions in the question collection.
creator	ObjectID	The id of the creator who created this particular question
content	String	The content of the question, the literal question that is being asked
answer	Array	The correct answer to the question
options	Array	An array of strings which holds all of the incorrect answers