**Flashcard App (Backend User Stories)**

**Learning objective:**Use Node.js, Express.js, MongoDB and Mongoose to build a flashcard backend server that will enable CRUD functionality for a client application.

**Technologies:** Node.js, Express.js, MongoDB, Mongoose

**Total project points:** /55

(5 points) As a developer, I want to set up my MongoDB Atlas cluster so that I have a place to store and access data.

(5 points) As a developer, I want to connect my Node.js and Express.js Web API to a MongoDB cluster.

**Collection Endpoints (within routes/collections.js file)**

(5 points) As a developer, I want to create a GET endpoint that responds to a request with all of card collections within my MongoDB flashcards collection.

(5 points) As a developer, I want to create a GET endpoint that takes in a collection’s id as a parameter through the request’s URL and responds with the collection document.

(5 points) As a developer, I want to create a POST endpoint that receives a new collection object through the request’s body and add it as a new document in my MongoDB database.

**Flashcard Endpoints (within routes/collections.js file)**

(5 points) As a developer, I want to create a GET endpoint that takes in a collection’s id as a parameter through the request’s URL and responds with that collection’s array of cards.

(5 points) As a developer, I want to create a GET endpoint that takes in a collection and flashcard id as a parameter through the request’s URL and responds with that collection’s specific flashcard.

(7.5 points) As a developer, I want to create a POST endpoint that does the following:

* takes in a collection and flashcard id as a parameter through the request’s URL
* receives the properties and values that are for a new card through the request’s body
* add the new card as a subdocument to the correct collection in my database

(7.5 points) As a developer, I want to create a PUT endpoint that does the following:

* takes in a collection’s and flashcard’s id as a parameter through the request’s URL
* receives the properties and values that are to be updated through the request’s body
* updates the flash card document within the correct collection in my database

(5 points) As a developer, I want to create a DELETE endpoint that takes in a collection and flashcard id as a parameter through the request’s URL and removes the flashcard from the correct collection in my database.