ITIS 5166
Network-Based
Application Development

CRUD Operations

CRUD Operations Using Model

- When a model is created with mongoose.model(), the model has an associated connection with the MongoDB server

- A model can perform CRUD operations on documents in the corresponding collection

Model API

Insert Documents

o There are two ways to insert new documents

o first construct a new document, then call `save()` method on the document

o call `create()` method on the model by passing in the JavaScript object(s)

  ◦ can insert multiple documents with one call

Query Documents

o Mongoose model provides three static methods for querying documents

o `find()`

o `findOne()`

o `findById()`

o Note that `findById(id)` is the same as `findOne({_id: id})`

Update Documents

o Mongoose model provides four static methods for updating documents

o `findByIdAndUpdate()`

o `findOneAndUpdate()`

o `updateOne()`

o `updateMany()`

o findByIdAndUpdate and findOneAndUpdate will return the document

o updateOne and updateMany will not return document

Delete Documents

o Mongoose model provides four static methods for deleting documents

o `findByIdAndDelete()`

o `findOneAndDelete()`

o `deleteOne()`

o `deleteMany()`

o findByIdAndDelete and findOneAndDelete will return the document

o deleteOne and deleteMany will not return document