HW1 - Due by 11:59PM on Sat, May 28

<div style="border:1px solid red; display:inline-block; padding:8px;">Start Assignment</div>

Due Saturday by 11:59pm   **Points** 0   **Submitting** a file upload

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PART 1 - READING ASSIGNMENT

**https://learning.oreilly.com/library/view/mongodb-in-action/9781617291609/?ar
(https://learning.oreilly.com/library/view/mongodb-in-action/9781617291609/?ar)**

Chapter 1. A database for the modern web

Chapter 2. MongoDB through the JavaScript shell

Note: If you cannot access the chapters, enter your neu email as @northeastern.edu instead of @husky.neu.edu

PART 2 - READING ASSIGNMENT (Papers Attached)

Read the following papers and provide a short summary for each paper.

- Application of NoSQL Database in Web Crawling

- Comparing NoSQL MongoDB to an SQL

- Data Aggregation System

PART 3 - PROGRAMMING ASSIGNMENT

Create a database for a Contact Management System in MongoDB.

You could use any attributes you like, first name, last name, phone, address, zip, etc.

Create 5 records with different attributes and values you choose.

Then delete any one record of your choice.

Then update some information from any one of the records of your choice.

You could take the screenshots by pressing ALT + PRT SCRN everytime you execute a command, and paste into a word document.

You could then submit this document.

PART 4 - PROGRAMMING ASSIGNMENT

You could take the screenshots by pressing ALT + PRT SCRN or Snipping Tool every time you execute a command, and paste into a word document. You could then submit this document. Create a collection called 'games'. We're going to put some games in it.

Add 5 games to the database.

Give each document the following properties: name, genre, rating (out of 100)

If you make some mistakes and want to clean it out, use remove() on your collection.

Write a query that returns all the games.

Write a query to find one of your games by name without using limit().

Use the findOne method.

Look how much nicer it's formatted!

Write a query that returns the 3 highest rated games.

Update your two favorite games to have two achievements called 'Game Master' and 'Speed Demon', each under a single key.

Show two ways to do this.

Do the first using update() and do the second using save().

Hint: for save, you might want to query the object and store it in a variable first.

Write a query that returns all the games that have both the 'Game Master' and the 'Speed Demon' achievements.

Write a query that returns only games that have achievements.

Not all of your games should have achievements, obviously.

PART 5 - PROGRAMMING ASSIGNMENT

Execute 5 commands of your choice from each of the following groups, and paste the screenshots in a word document.

mongo> help   [5 commands]

mongo> db.help()   [5 commands]

mongo> db.mycoll.help() [10 commands]

1. Application of NoSQL Database in Web Crawling.pdf

2. Comparing NoSQL MongoDB to an SQL.pdf

3. Data Aggregation System.pdf