**IFT 598: IFT 458: Middleware Prog & Database Sec (2022 Fall)**

**Assignment: Setting up MongoDB in Cloud Environment**

**Name: ABHISHEK MATHUR**

**Professor: Dinesh Sthapit**

**Step 1: Use the above document to create an account in**[**Atlas MongoDB Cloud Offering**](https://www.mongodb.com/cloud/atlas/lp/try4?utm_source=bing&utm_campaign=search_bs_pl_evergreen_atlas_core_prosp-brand_gic-null_amers-us_ps-all_desktop_eng_lead&utm_term=atlas%20mongodb&utm_medium=cpc_paid_search&utm_ad=e&utm_ad_campaign_id=415204521&adgroup=1207264237113872&msclkid=834393609b4a11e1048df05965eeeec3)

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**Step 2:**[**Download the Module 5 MongoDB Starter Project:**](https://drive.google.com/file/d/1SRL1iBmYG3yLRvyxMdZ8lP6KtU_OSt1t/view?usp=sharing)

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**Step 3: Read the link contents. Mongoose a middleware Object Relational Mapping (ORM) for MongoDB**

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**Step 4 Read the link contents, MongoDB/Mongoose Middleware Schema:**

A database schema is considered the “blueprint” of a database which describes how the data may relate to other tables or other data models. However, the schema does not actually contain data. It is a JSON object that defines the structure and contents of your data. You can use Atlas App Services' BSON schemas, which extend the JSON Schema standard, to define your application's data model and validate documents whenever they're created, changed, or deleted.

Schemas represent types of data rather than specific values. App Services supports many built-in schema types. These include primitives, like strings and numbers, as well as structural types, like objects and arrays, which you can combine to create schemas that represent custom object types.

**References:**

[https://www.ibm.com/cloud/learn/database-schema#:~:text=A%20database%20schema%20is%20considered,known%20as%20a%20database%20instance.](https://www.ibm.com/cloud/learn/database-schema%23:~:text=A%20database%20schema%20is%20considered,known%20as%20a%20database%20instance.)

[https://www.mongodb.com/docs/atlas/app-services/schemas/#:~:text=Overview-,What%20is%20a%20Schema%3F,created%2C%20changed%2C%20or%20deleted.](https://www.mongodb.com/docs/atlas/app-services/schemas/%23:~:text=Overview-,What%20is%20a%20Schema%3F,created%2C%20changed%2C%20or%20deleted.)

**Step 5: MongoDB/Mongoose Database Models:**

**MongoDB/Mongoose Queries:**

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