

# Demonstration and Screenshots of all the routes (MILESTONE #4)

## Database Integration with MongoDB

*Shutters by Travelgram*

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### Milestone Tasks and Design:

- Create a database in MongoDB to hold your application data. Create the necessary documents and fields to store the information needed in the application (e.g., users, connection, user Connection).
- The database should be populated with data according to the same requirements from the previous milestones (at least two topics of connections, with at least 3 connection per topic/category).
- Within the same script file for database and table creation (milestone4\_createDB.txt), add the statements at the end of the script to insert your initial data into each of the two tables for connections and users (see #6 for adding a user).
- Running the statements in milestone4\_createDB.txt script should re-create / reset your database to its initial state with initial data (this means that at any point we can revert back to the beginning as a starting point)
- ConnectionDB - Refactor the “ConnectionDB” module to retrieve connections from the database:
  1. getConnections() - this function returns an array of Connection objects of all the connections in the connections table from the database
  2. getConnection(connectionID) - this function returns a Connection object for the provided connection code
- UserDB - create the module “UserDB” to retrieve a user from the database:
  1. getUser(email/userID) - this function returns a User object for the provided user identifier
- UserProfileDB – create the module “UserProfileDB” to save and retrieve connections to users and save any feedback they give for connections in the database. This module should provide/support the following functionality:
  1. retrieve all connections a user has RSVP'd to (a list of UserConnection objects)
  2. add/update a user RSVP to a connection
  3. add a new connection to the list of available connections

## Index Page

The screenshot shows a web browser window with the URL "localhost:8084". The page has a red header bar with the title "Shutters by Travelgram" and a camera icon. Below the header is an orange navigation bar with links for "Info" and "Connections". The main content area features a large image of a professional DSLR camera mounted on a tripod against a backdrop of mountains. Overlaid on the image is the text "Need a home for your travel photos?". Below this, a section titled "GET INSPIRED BEFORE YOUR NEXT TRIP" contains the sub-section "Start learning & Improve Your Skills". It includes a call-to-action button "Learn more Tips of Photography" and a row of social media sharing icons (Facebook, Twitter, Google+, LinkedIn, YouTube, Instagram). At the bottom of the page, there is a copyright notice: "© Copyright 2020. All rights reserved" and "All images text and ideas © Bharadwaj Arya".

## Info.ejs

The screenshot shows a web browser window with the URL "localhost:8084/info". The page has a red header bar with the title "Shutters by Travelgram" and a camera icon. Below the header is an orange navigation bar with links for "Info" and "Connections". The main content area features a black background with white text. The title "ARJUN BHARADWAJ - TRAVEL/ARCHITECTURAL PHOTOGRAPHER" is at the top. Below it is a paragraph about the author's passion for photography and travel. There are several short paragraphs detailing his journey from childhood to his current profession. At the bottom of the page, there is a copyright notice: "© Copyright 2020. All rights reserved" and "All images text and ideas © Bharadwaj Arya". A row of social media sharing icons (Facebook, Twitter, Google+, LinkedIn, YouTube, Instagram) is also present.

**Connections.ejs (list of all connections). This populates all the connections without the session being created. So, the username is not getting displayed as the session has not been created.**

The screenshot shows a web browser window with the URL [localhost:8084/connections](http://localhost:8084/connections). The page title is "Shutters by Travelgram". The main content area contains several sections: "BEFORE YOUR TRIP" with bullet points "KNOW YOUR CAMERA" and "RESEARCH PLACES YOU WANT TO SEE (USE PINTEREST, INSTAGRAM, GOOGLE, FRIENDS/FAMILY)"; "WHEN YOU ARRIVE:" with bullet points "GET UP EARLY TO BEAT THE TOURISTS", "STAY OUT LATE TO BEAT THE TOURISTS", and "HAVE PATIENCE"; and "PHOTOGRAPHY TIPS" with bullet points "USE THE RULE OF THIRDS" and "PLAY AROUND WITH COMPOSITION". At the bottom right of the content area, there are social media sharing icons for Facebook, Twitter, Google+, LinkedIn, YouTube, and Instagram. Below these icons, the copyright notice reads: "© Copyright 2020. All rights reserved" and "All images text and ideas © Bharadwaj Arya".

**Redirecting to home page by clicking the logo**

The screenshot shows the same web browser window, but now it displays the homepage of "Shutters by Travelgram". The main visual is a large photograph of a professional DSLR camera mounted on a tripod, set against a backdrop of a clear blue sky and distant mountains. Overlaid on the left side of the image is the text "Need a home for your travel photos?". Below this, there is a section titled "GET INSPIRED BEFORE YOUR NEXT TRIP" with the sub-section "Start learning & Improve Your Skills". It includes a paragraph about travel and photography, followed by a green button labeled "Learn more Tips of Photography". At the bottom right of the content area, there are social media sharing icons for Facebook, Twitter, Google+, LinkedIn, YouTube, and Instagram. Below these icons, the copyright notice reads: "© Copyright 2020. All rights reserved" and "All images text and ideas © Bharadwaj Arya".

**Login Page for Login button which opens a form, so when we click the login button a session gets created for the hardcoded user. This is a mandatory action that has to be performed by the user for the session to get activated. The login functionality actually uses a middleware function to automatically route all the requests to create a session.**

This is established through the session object. Once a user completes the login form, we are bypassing an actual login functionality here and assuming this is a new user and a session attribute is used to track this user.

The next step is to allow the user to add the connections :

Shutters by Travelgram

Start a New Connection | Contact | About | Login | Signup

Info Connections

Username

Enter Username

Password

Enter Password

Login  Remember me

Cancel

Forgot password?



When the login form is submitted for the first time initially, a user session gets created and initially there would be no connections for the logged in user. So, a message gets displayed for the user to select any connections from the list of available connections to which the RSVP action is done for.

The navigation bar also displays the user details (User's first name and Last name) from the user ProfiledB that has been created.

localhost:8084/SavedConnections

Shutters by Travelgram

Start a New Connection | Contact | About | My Connections | Signout

Info Connections

Welcome to the Photography Tutorial hosted by Bharadwaj Arya®

Hey! Kindly request you to please select any connection



This page details all the list of connections that has the user can see. Also, the session has been created and as a result of which the username is displayed in the connections page.

UserConnection – represents a connection object saved to the user profile ( associates a connection to a user profile) with the following properties:

- Connection
- rsvp

The screenshot shows the homepage of the Shutters by Travelgram website. At the top, there's a navigation bar with links like 'Start a New Connection', 'Contact', 'About', 'My Connections', and 'Signout'. Below the navigation is a welcome message: 'Welcome to the Photography Tutorial hosted by Bharadwaj Arya®'. The main content area features a large camera icon and several sections of text: 'BEFORE YOUR TRIP', 'WHEN YOU ARRIVE:', 'PHOTOGRAPHY TIPS', and 'LEARN BASIC POST-PROCESSING TIPS'. Each section contains a bulleted list of tips.



Once the user selects a connection from the list of available connections, the details regarding the selected connection (based on conID) is fetched from the connectionDB. In this Milestone, I created two separates sessions for handling the user

- A session where all the user details are stored. This session fetches the details of the user from the object created of the USER class which contains all the User details like User's first name, last name, E-Mail ID etc.
- We create a session for the User profile from active user connections (any updates from Saved Connections).

The screenshot shows a detailed view of a user connection. It has a similar header and navigation as the main site. The main content area displays a camera icon and a detailed diagram of a camera body with various buttons and controls labeled. Below the diagram, there's a question: 'Is the rule interesting to implement?' followed by three buttons: 'Yes', 'No', and 'Maybe'.

Is the rule interesting to implement?



When the user tries to add a connection (based on the RSVP action of the user), a session is created for the user that actually handles all the updates of the user from the Saved connections

The list of all updates made by the user are pushed into an empty array `userArrayList[ ]` from the `user_savedconn`.

A screenshot of a web browser window. The address bar shows "localhost:8084/savedConnections?connId=conn1&action=save". The page title is "Shutters by Travelgram". The main content area displays the text "Welcome to the Photography Tutorial hosted by Bharadwaj Arya®". The top navigation bar includes links for "Start a New Connection", "Contact", "About", "My Connections", and "Signout". Below the title, there's a camera icon and a navigation bar with "Info" and "Connections".

#### Schedule of Events

Tips for Photography	Venue of the event where the tips would be explained	Date and time	Going?	
KNOW YOUR CAMERA	Times Square, New York city, NY	24th February, 2020 10:00 AM	yes	<button>UPDATE</button> <button>DELETE</button>



Based on the action performed by the user (Save or delete) i.e an action `SAVE` performs an `addConnection` operation and action `DELETE` performs `removeConnection`. The user can add or remove any number of connections from the list of available connections and the `RSVP` action of the user is dynamically rendered on the `savedConnections`.

localhost:8084/savedConnections?conID=con2&action=save

The screenshot shows a web browser window with the URL 'localhost:8084/savedConnections?conID=con2&action=save'. The page title is 'Shutters by Travelgram'. On the left, there's a sidebar with 'Info' and 'Connections' buttons. The main content area displays a table titled 'Schedule of Events' with two rows. The first row contains 'KNOW YOUR CAMERA' as the tip, 'Times Square, New York city, NY' as the venue, '24th February, 2020 10:00 AM' as the date and time, and 'yes' as the 'Going?' status. It includes green 'UPDATE' and red 'DELETE' buttons. The second row contains 'RESEARCH PLACES YOU WANT TO SEE (USE PINTEREST, INSTAGRAM, GOOGLE, FRIENDS/FAMILY)' as the tip, 'Hudson yards, New York City, NY' as the venue, '24th February, 2020 10:00 AM' as the date and time, and 'no' as the 'Going?' status. It also includes green 'UPDATE' and red 'DELETE' buttons. At the bottom, there are social media sharing icons for Facebook, Twitter, Google+, LinkedIn, YouTube, and Instagram, followed by copyright and license information.



localhost:8084/SavedConnections?conID=con1&action=delete

The screenshot shows a web browser window with the URL 'localhost:8084/SavedConnections?conID=con1&action=delete'. The page title is 'Shutters by Travelgram'. The sidebar on the left has 'Info' and 'Connections' buttons. The main content area displays a table titled 'Schedule of Events' with one row. This row contains 'RESEARCH PLACES YOU WANT TO SEE (USE PINTEREST, INSTAGRAM, GOOGLE, FRIENDS/FAMILY)' as the tip, 'Hudson yards, New York City, NY' as the venue, '24th February, 2020 10:00 AM' as the date and time, and 'no' as the 'Going?' status. It includes green 'UPDATE' and red 'DELETE' buttons. At the bottom, there are social media sharing icons for Facebook, Twitter, Google+, LinkedIn, YouTube, and Instagram, followed by copyright and license information.

localhost:8084/SavedConnections?conID=con1&action=delete

The footer section of the webpage features a dark background with several social media sharing icons: Facebook, Twitter, Google+, LinkedIn, YouTube, and Instagram. Below the icons, the text reads '© Copyright 2020. All rights reserved' and 'All images text and ideas © Bharadwaj Arya'.

**When the user has clicked the Sign-out option, the session that stores all the user data is destroyed, and the webpage is redirected to the home page**

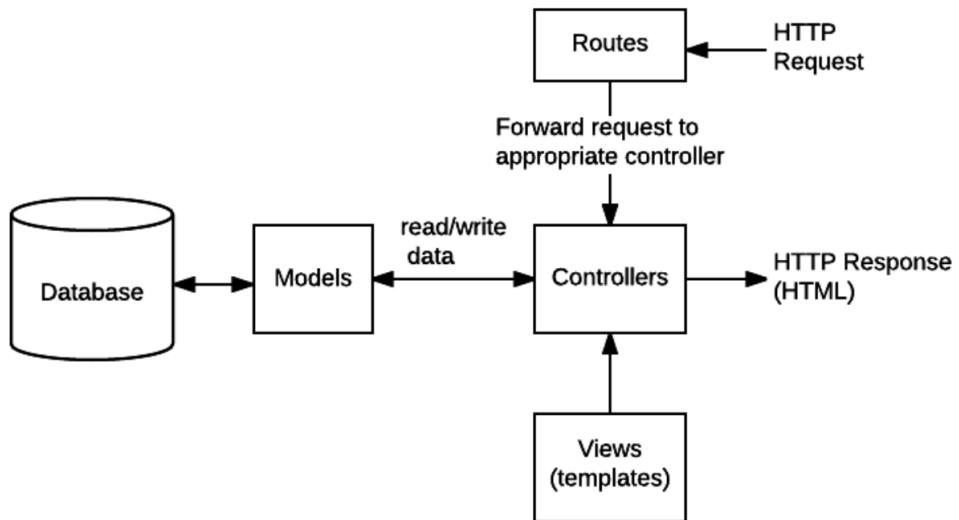
The screenshot shows a web browser window with the URL [localhost:8084/logout](http://localhost:8084/logout). The page has a red header bar with the title "Shutters by Travelgram". On the left, there's a camera icon and navigation links for "Info" and "Connections". The main content area features a large image of a DSLR camera mounted on a tripod against a scenic background. A prominent black banner across the middle contains the text "Need a home for your travel photos?". Below this, a sub-section titled "GET INSPIRED BEFORE YOUR NEXT TRIP" includes a "Learn more Tips of Photography" button and social media sharing icons for Facebook, Twitter, Google+, LinkedIn, and Instagram. At the bottom of the page, there's a copyright notice: "© Copyright 2020. All rights reserved" and "All images text and ideas © Bharadwaj Arya".

Each of the places in the site where a user can take an action that uses the dynamic data from this milestone should be updated to make the appropriate GET or POST request with the necessary parameters or form.

## Improvements and implementation of MongoDB in this Milestone:

### Sample Design:

- **getUserProfile(email/userID)** - this function returns a collection/list of all UserConnection objects saved
- **addRSVP(connectionID, userID, rsvp)** – this function associates a connection to the user with userID (when the user saves the connection) and updates the RSVP that user provides for a connection with this connection ID. The corresponding database document can use the userID and connectionID as unique identifiers (keys).
  - Note: you need to be able to distinguish between connections that belong to the user (they shared it) vs. connections they RSVP to. If you have not done so already, add a user ID field to each connection in the database. This will allow you to tell which users own which connections.
- **updateRSVP(connectionID, userID, rsvp)** – this function updates the rsvp field for a user with userID for connection with connectionID.
- **addConnection(connection)** - this function handles the new connection form and adds a new connection to the list of connections in the database.



### List of all collections maintained in the db(milestone4)

Collection Name	Documents	Avg. Document Size	Total Document Size	Num. Indexes	Total Index Size	Properties
connections	11	2.0 KB	21.9 KB	1	36.9 KB	
userprofiles	1	146.0 B	146.0 B	1	20.5 KB	
users	1	292.0 B	292.0 B	1	20.5 KB	

The screenshot shows the MongoDB Compass interface. On the left, the sidebar displays the local host connection and a list of databases, with 'milestone4' selected. The main area shows the 'Collections' tab with a table listing three collections: 'connections', 'userprofiles', and 'users'. Each collection row includes columns for Collection Name, Documents, Avg. Document Size, Total Document Size, Num. Indexes, Total Index Size, and Properties (with an edit icon). The 'connections' collection has 11 documents, an average size of 2.0 KB, and a total size of 21.9 KB. The 'userprofiles' collection has 1 document, an average size of 146.0 B, and a total size of 146.0 B. The 'users' collection has 1 document, an average size of 292.0 B, and a total size of 292.0 B.

**Initially when the user tries to login, the user needs to login using a random username and password which is a mandatory field to retrieve the user details which is hardcoded in the userDB**

Shutters by Travelgram

Start a New Connection | Contact | About | Login | Signup

Info Connections

Username  
bharadwaj

Password  
.....

Login Remember me

Cancel

Forgot password?



The below is a list on connections which are maintained in the milestone4 db under the collections name **connections**. Hence when the user clicks on connections after he logged in the connections which are maintained will get displayed as shown below. As we can see the user's first name and Last name has been displayed which is actually retrieved from the **userDB**.

Local

10 DBS 10 COLLECTIONS

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 4.2.3 Community

Filter your data

Courses

admin

config

coursedb

library

local

milestone4

connections

userprofiles

users

school

sports

test

milestone4.users

Documents Aggregations Schema Explain Plan Indexes Validation

ADD DATA FILTER

Displaying documents 1 - 1 of 1

```
_id: ObjectId("5e9cc49a5ecc29345430fc96")
userID: "Steve McCurry and Bharadwaj Arya"
firstName: "Steve"
lastName: "McCurry"
email_address: "SteveMcCurry@nikon.com"
addressfield1: "9281 Univ Building"
addressfield2: "UNC Charlotte"
city: "Charlotte"
state: "NC"
zipcode: 28262
country: "USA"
```



Info Connections

## Shutters by Travelgram

Start a New Connection | Contact | About | My Connections | Signout

Welcome to the Photography Tutorial hosted by Steve McCurry®

### BEFORE YOUR TRIP

- KNOW YOUR CAMERA
- RESEARCH PLACES YOU WANT TO SEE (USE PINTEREST, INSTAGRAM, GOOGLE, FRIENDS/FAMILY)

### WHEN YOU ARRIVE:

- GET UP EARLY TO BEAT THE TOURISTS
- STAY OUT LATE TO BEAT THE TOURISTS
- HAVE PATIENCE

### PHOTOGRAPHY TIPS

- USE THE RULE OF THIRDS
- PLAY AROUND WITH COMPOSITION

### LEARN BASIC POST-PROCESSING TIPS

- ADJUST THE HORIZON
- ADJUST THE EXPOSURE AND THE CONTRAST

### NBAD

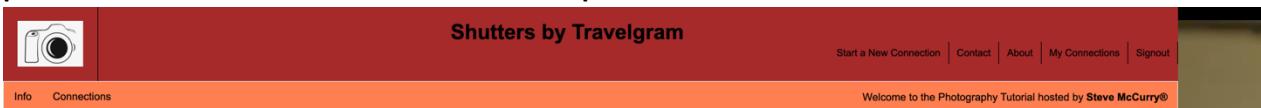
- Nadia



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Now when a user is clicking on a particular connection detail listed under a connection category and performs an RSVP action the action should be updated in the userProfile db too



Info Connections

## Shutters by Travelgram

Start a New Connection | Contact | About | My Connections | Signout

Welcome to the Photography Tutorial hosted by Steve McCurry®

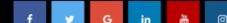
### ADJUST THE EXPOSURE AND THE CONTRAST

After you have straightened the horizon and removed any unwanted or distracting elements from the frame, next adjust the exposure of the image. This adjusts the brightness. If the image is too dark, add light in and if the image is too bright, reduce light. Keep in mind that often times adjusting brightness will affect the contrast of the image as well. This can be fixed by adjusting the Contrast Slider in Lightroom. It makes the brightest parts of the image brighter and the darkest parts darker, and improves the overall look of the adjusted image.



Is the rule interesting to implement?

Yes | No | Maybe



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# Shutters by Travelgram

Start a New Connection | Contact | About | My Connections | Signout

[Info](#) [Connections](#)

Welcome to the Photography Tutorial hosted by Steve McCurry®

**Schedule of Events**

Tips for Photography	Venue of the event where the tips would be explained	Date and time	Going?	
ADJUST THE EXPOSURE AND THE CONTRAST	Manhattan Centre, New York City, NY	28th February, 2020 10:00 AM	yes	<a href="#">UPDATE</a> <a href="#">DELETE</a>



The RSVP action of the logged in user is stored in the **userprofilesDB**. As we can see that the user has updated his interest as YES for attending the event, the same rsvp action is logged in the userprofiles DB. If the user wishes to update his choice of interest and would like to change the RSVP action to NO or Maybe, the same would be logged in the useprofile db too.

```

_mongoDB Compass - localhost:27017
milestone4.userprofiles Documents
DOCUMENTS 1 TOTAL SIZE 89B AVG. SIZE 89B INDEXES 1 TOTAL SIZE 20.0KB AVG. SIZE 20.0KB
Documents Aggregations Schema Explain Plan Indexes Validation
FILTER ADD DATA OPTIONS FIND RESET ...
Displaying documents 1 - 1 of 1 < > C REFRESH
_id: ObjectId("5e9cc49d5ecc29345430fc0a0")
userID: "Steve McCurry and Bharadwaj Arya"
userConnections:
  0: Object
    _id: ObjectId("5e9d315e24ccccfcf6a8d8")
    connectionId: 9
    rsvp: "yes"
  
```

List of all the connections which is maintained in the **connections db**

The screenshot shows the MongoDB Compass interface with the 'Local' connection selected. In the left sidebar, under 'COLLECTIONS', the 'connections' collection is highlighted. The main area displays the 'milestone4.connections' database with 10 documents listed. Each document contains fields like '\_id', 'userId', 'connectionId', 'connection\_name', 'details', 'dateAndTime', 'hostedBy', 'venue', and 'image'. The details field for the first document, for example, includes 'SHUTTER SPEED, IMAGE STABILIZATION, SENSOR SIZE:-Digital cameras are tru...'.

We could see that the RSVP action of NO has been logged in the userprofiles DB

The screenshot shows the MongoDB Compass interface with the 'Local' connection selected. In the left sidebar, under 'COLLECTIONS', the 'userprofiles' collection is highlighted. The main area displays the 'milestone4.userprofiles' database with 1 document. This document contains a list of connections, with one specific connection entry showing an 'rsvp' field set to 'no'.

If the user is trying to DELETE a particular connection the same gets deleted in the userprofiles DB too.

When a user wants to manually add a connection, he can do it so by **navigating to the Start a new connection present in the navigation bar.**





# Shutters by Travelgram

Start a New Connection | Contact | About | My Connections | Signout

Info | Connections

Welcome to the Photography Tutorial hosted by Steve McCurry®

## Schedule of Events

Tips for Photography	Venue of the event where the tips would be explained	Date and time	Going?	
Background matters	Radio City Music Hall, New York, NY, USA	2020-04-19	yes	<a href="#">UPDATE</a> <a href="#">DELETE</a>



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In order to check whether the connection had been created or not we can navigate to **Connections** to view it. **The same connection is also created in the db**



# Shutters by Travelgram

Start a New Connection | Contact | About | My Connections | Signout

Info | Connections

Welcome to the Photography Tutorial hosted by Steve McCurry®

## BEFORE YOUR TRIP

- KNOW YOUR CAMERA
- RESEARCH PLACES YOU WANT TO SEE (USE PINTEREST, INSTAGRAM, GOOGLE, FRIENDS/FAMILY)

## WHEN YOU ARRIVE:

- GET UP EARLY TO BEAT THE TOURISTS
- STAY OUT LATE TO BEAT THE TOURISTS
- HAVE PATIENCE

## PHOTOGRAPHY TIPS

- USE THE RULE OF THIRDS
- PLAY AROUND WITH COMPOSITION

## LEARN BASIC POST-PROCESSING TIPS

- ADJUST THE HORIZON
- ADJUST THE EXPOSURE AND THE CONTRAST

## NBAD

- Nadia

## Portrait Photography

- Background matters



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```

{
  "_id": "6409c11d15e9cc5c0068a07ccc8800e6e7",
  "userId": "Steve McCurry and Bharadwaj Arya",
  "connectionId": 10,
  "connection_name": "Nadia",
  "connection_category": "NBADP",
  "details": "Meet Nadia in Spring 2020 semester",
  "dateAddedTime": "2028-01-16",
  "venue": "UNC Charlotte",
  "image": "data:image/jpeg;base64,/9j/4AAQSkZJgABAAAQABAAQD/2wCEAAKGBxI0EhIOEhI...",
  "...v:9"
}

{
  "_id": "ObjectID('5e9db0140ecc0ccfcf6ab9b')",
  "userId": "Steve McCurry and Bharadwaj Arya",
  "connectionId": 11,
  "connection_name": "Background matters",
  "connection_category": "Portrait Photography",
  "details": "The background is just as important as the subject in the frame. Wher...",
  "dateAddedTime": "2028-04-19",
  "venue": "Radio City Music Hall, New York, NY, USA",
  "image": "https://cdn.mos.cms.futurecdn.net/ibog0QpJbRVCUHsHnMc-970-80.jpg",
  "...v:9"
}

```

**As per the functionality a new connection has been created in the connections db**

**Below is the code for creating a database in MongoDB by name Milestone 4 and inserting 3 collections by name:**

- User
- UserProfile
- Connections.

```

use milestone4;
db.dropDatabase();

db.createCollection('connections');
db.createCollection('userprofiles');
db.createCollection('users');

db.users.insertOne(
{
  userID:"Steve McCurry and Bharadwaj Arya",
  firstname:"Steve",
  lastname:"McCurry",
  email_address:"SteveMcCurry@.nikon.com",
  addressfield1:"9201 Univ Building",
  addressfield2:"UNC Charlotte",
  city:"Charlotte",
  state:"NC",
  zipcode:28262,
  country:"USA"
}
);

```

```
db.connections.insertMany([
    {
        "userID": "Steve McCurry and Bharadwaj Arya", "connectionId": 01, "connection_category": "BEFORE YOUR TRIP", "connection_name": "KNOW YOUR CAMERA", "details": "SHUTTER SPEED, IMAGE STABILIZATION, SENSOR SIZE:-Digital cameras are truly astonishing tools! It is remarkable, the photographic challenges they digitally solve in an instant to capture beautiful images. To use your camera to its full capability you\u2019ve got to be familiar with its functions. Unfortunately, this means you\u2019ll have to read (then re-read- repeat many times) the manual! These articles are intended to replace the technical aspects of a user\u2019s manual. Each article contains at least one sentence as to when to use that particular function.", "dateAndTime": "24th February, 2020 10:00 AM", "hostedBy": "Bharadwaj", "venue": "Times Square, New York city, NY", "image": "../assets/images/kycam.jpg"},

    {
        "userID": "Steve McCurry and Bharadwaj Arya", "connectionId": 02, "connection_category": "BEFORE YOUR TRIP", "connection_name": "RESEARCH PLACES YOU WANT TO SEE (USE PINTEREST, INSTAGRAM, GOOGLE, FRIENDS/FAMILY)", "details": "This helps us figure out what\\'s there\\'s what the place is about and what subjects we need to cover. Read brochures and travel books. Go to libraries, bookstores, or onto the Web. Talk to friends who have been there. Pick up travel information at the country\\'s embassy. Find whatever you can that is relevant, and devour it. Understanding the customs and traditions of a place is vital. For one thing, you want to be sure you act in a way that is not rude or offensive while you are there, and it\\'s hard to know what\\'s acceptable and what isn\\'t with some knowledge. It can also help you understand things people do that at first encounter you might consider incomprehensible or even horrifying.", "dateAndTime": "24th February, 2020 10:00 AM", "hostedBy": "Sachin", "venue": "Hudson yards, New York City, NY", "image": "../assets/images/kyplace.jpg"},

    {
        "userID": "Steve McCurry and Bharadwaj Arya", "connectionId": 03, "connection_category": "WHEN YOU ARRIVE:", "connection_name": "GET UP EARLY TO BEAT THE TOURISTS", "details": "There are few sounds in the world that are worse than the blaring of an alarm clock. Beep, beep, beep. It so rarely signifies anything good, or enjoyable. Mostly it just means it\\'s time to go to work.", "dateAndTime": "25th February, 2020 10:00 AM", "hostedBy": "Federer", "venue": "Central Park, New York City, NY", "image": "../assets/images/getupearly.jpg"},

    {
        "userID": "Steve McCurry and Bharadwaj Arya", "connectionId": 04, "connection_category": "WHEN YOU ARRIVE:", "connection_name": "STAY OUT LATE TO BEAT THE TOURISTS", "details": "Enroll in some online photography tutorials. Invest in a travel photography workshop. Go out and practice on a regular basis", "dateAndTime": "25th February, 2020 10:00 AM", "hostedBy": "Hamilton", "venue": "Central Park, New York City,"}
```

NY',image:'../assets/images/stayoutlate.jpg'},

{userID:"Steve McCurry and Bharadwaj Arya",connectionId:05 , connection\_category:'WHEN YOU ARRIVE:',connection\_name:'HAVE PATIENCE',details:'Photography is about really seeing what's in front of you. Not just with your eyes, but with your heart & mind too. This requires dedicated time and attention. Slow down and make a conscious effort at becoming aware of your surroundings before pressing the shutter. Pay attention to details.',dateAndTime:'26th February, 2020 10:00 AM',hostedBy:'Nadal',venue:'Brooklyn Bridge, New York City, NY',image:'../assets/images/havepatience.jpg'},

{userID:"Steve McCurry and Bharadwaj Arya",connectionId:06 , connection\_category:'PHOTOGRAPHY TIPS' ,connection\_name:'USE THE RULE OF THIRDS',details:'This well-known photography rule still holds true. When in doubt, make sure you're using the rule of thirds to set up your photo. When framing a photo, imagine the scene divided up as above. Think about what elements of the photo are most important, and try to position them at or near the lines and intersections of the grid. They don't have to be perfectly lined up as long as they're close. For landscapes: place it along one of the horizontal line. For Vertical Subjects: split a photo in two, in much the same way as a horizon can do horizontally. To avoid this, position them off-centre in your composition',dateAndTime:'26th February, 2020 10:00 AM',hostedBy:'Vettel',venue:'Brooklyn Bridge, New York City, NY',image:'../assets/images/twothirdrule.jpg'},

{userID:"Steve McCurry and Bharadwaj Arya",connectionId:07 , connection\_category:'PHOTOGRAPHY TIPS' ,connection\_name:'PLAY AROUND WITH COMPOSITION',details:'Composition, at its most basic, is how you place your subject (and everything else) in your image.',dateAndTime:'26th February, 2020 10:00 AM',hostedBy:'Djokovic',venue:'Hudson yards, New York City, NY',image:'../assets/images/composition.jpg'},

{userID:"Steve McCurry and Bharadwaj Arya",connectionId:08 , connection\_category:'LEARN BASIC POST-PROCESSING TIPS',connection\_name:'ADJUST THE HORIZON',details:'It is easier to fix the horizon because we can make sure the horizon is straight before we take the image with our camera. Some tripod comes with an inbuilt fluid level that you can use to make sure the horizon is straight. You can also get a fluid level mount to the hot shoe of your camera. These are relatively cheap on the internet. It is a bit more challenging to control for perspective. For example, when photographing architecture, unless you are high up above the ground, the building is going to be tilted. This is because we often shoot from the ground with our camera tilted upwards to include the whole building into the frame. For those who are serious about architectural photography, you consider getting a tilt-shift lens for that purpose.',dateAndTime:'28th

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February, 2020 10:00 AM',hostedBy:'Murray',venue:'Manhattan Centre, New York  
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        {userID:"Steve McCurry and Bharadwaj Arya",connectionId:09,  
connection_category:'LEARN'                                BASIC          POST-PROCESSING  
TIPS',connection_name:'ADJUST THE EXPOSURE AND THE CONTRAST',details:'After  
you have straightened the horizon and removed any unwanted or distracting  
elements from the frame, next adjust the exposure of the image. This adjusts  
the brightness. If the image is too dark, add light in and if the image is  
too bright, reduce light. Keep in mind that often times adjusting brightness  
will affect the contrast of the image as well. This can be fixed by adjusting  
the Contrast Slider in Lightroom. It makes the brightest parts of the image  
brighter and the darkest parts darker, and improves the overall look of the  
adjusted image.',dateAndTime:'28th February, 2020 10:00  
AM',hostedBy:'Murray',venue:'Manhattan Centre, New York City,  
NY',image:'../assets/images/expcontrast.jpg'}  
  
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