

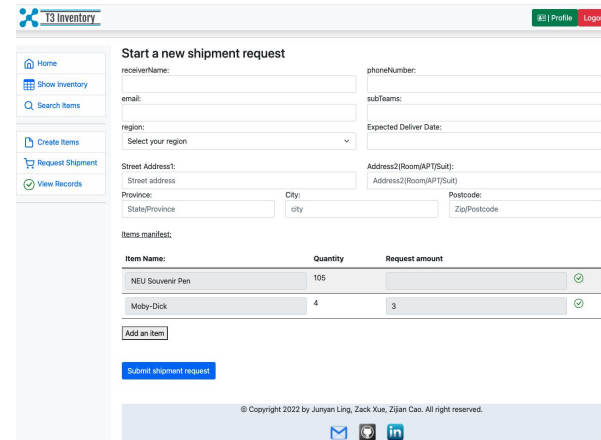
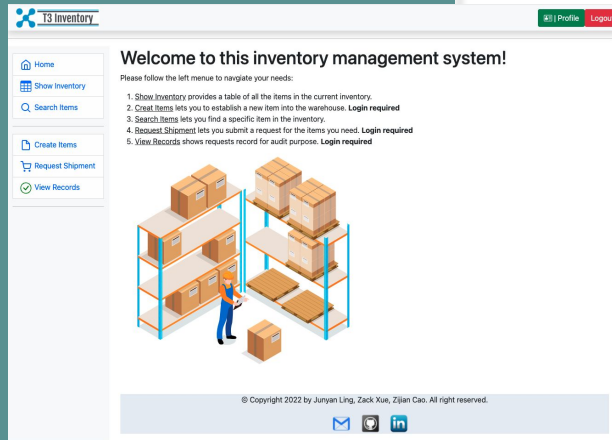


# T3 Inventory & Shipment App

Team 3 Members:  
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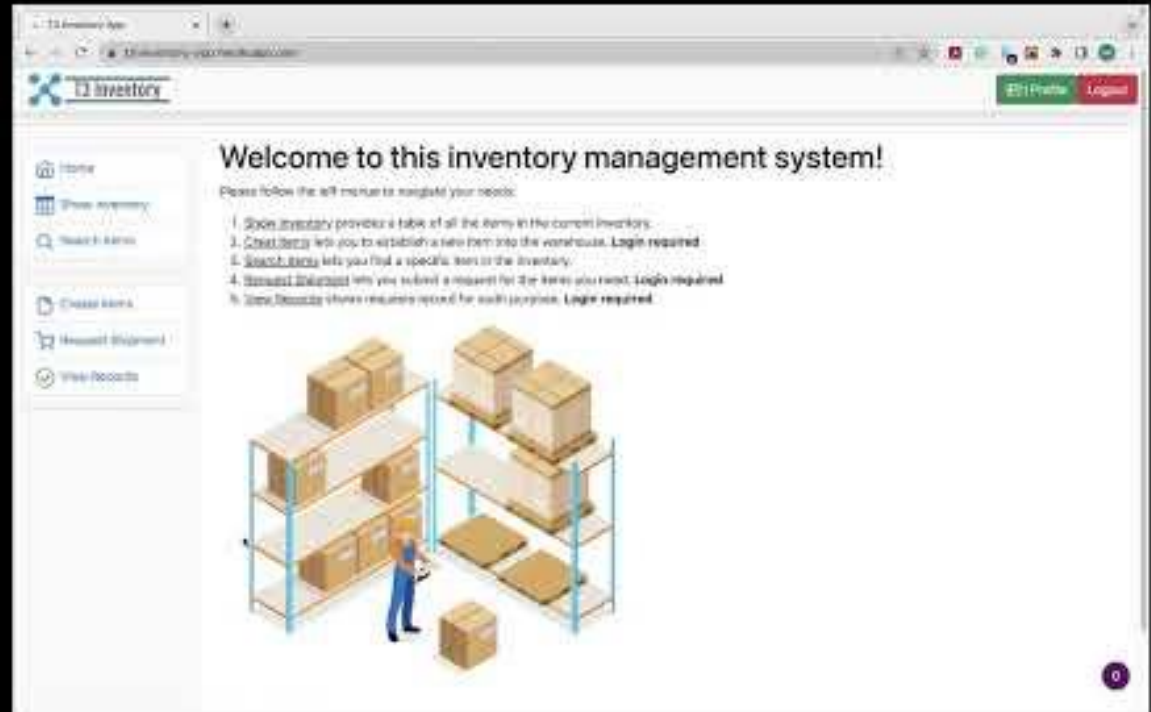
# Introduction

- What is the problem our team is solving?
  - Call for more convenient logistics
  - Low cost logistics system for small business
  - Accurate deliver address
  - Efficiency, error free inventories
- What is our solution? How is it helping the users of our app?
  - Create a shipment web app
  - Include functionalities that allow authorized users or guests to use

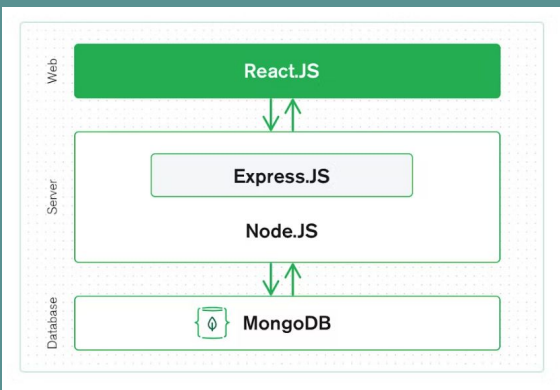


# Demo

- [T3-Inventory App](#)
- [Demo Video](#)



# Architecture and technology stack - MERN



- Project structure

```

  server
  |
  |  db
  |  |
  |  |  JS conn.js
  |  |
  |  > node_modules
  |
  |  routes
  |  |
  |  |  JS record.js
  |  |  JS users.js
  |  |
  |  > team3-inventory-api-2
  |
  |  ⚙ config.env
  |  {} package-lock.json
  |  {} package.json
  |  JS server.js
```

```

  client
  |
  |  > node_modules
  |  > public
  |
  |  src
  |  |
  |  |  > components
  |  |  > stylesheet
  |  |
  |  |  # App.css
  |  |  JS App.js
  |  |  JS App.test.js
  |  |  # index.css
  |  |  JS index.js
  |  |  🖼 logo.svg
  |  |  JS reportWebVitals.js
  |  |  JS setupTests.js
```



Express JS



# Data model

DATABASES: 1 COLLECTIONS: 3

+ Create Database

Q NAMESPACES

inventories

records

shippings

users

inventories

DATABASE SIZE: 1.35KB INDEX SIZE: 108KB TOTAL COLLECTIONS: 3

CREATE COLLECTION

Collection Name	Documents	Documents Size	Documents Avg	Indexes	Index Size	Index Avg
records	3	580B	194B	1	36KB	36KB
shippings	1	432B	432B	1	36KB	36KB
users	4	373B	94B	1	36KB	36KB



mongoDB®

# Data model

## inventories.records

STORAGE SIZE: 36KB    TOTAL DOCUMENTS: 3    INDEXES TOTAL SIZE: 36KB

Find

Indexes

Schema Anti-Patterns 0

Aggregation

Search Indexes ●

FILTER

{ field: 'value' }

### QUERY RESULTS 1-3 OF 3

```
_id: ObjectId("62716d1d14967068a4dd8d7d")
itemName: "Moby-Dick"
img: "Book"
currentQuantity: "10"
subTeams: "Team 1"
region: "East"
warehouseLocation: "Location 1"
notes: "Novel by Herman Melville"
```

# Data model

## inventories.shippings

STORAGE SIZE: 36KB TOTAL DOCUMENTS: 1 INDEXES TOTAL SIZE: 36KB

Find

Indexes

Schema Anti-Patterns 0

Aggregation

Search Indexes ●

FILTER { field: 'value' }

QUERY RESULTS 1-3 OF 3

```
> {
  "_id": ObjectId("6271702614967068a4dd8d80"),
  "receiverName": "Neda",
  "phoneNumber": "123-456-7890",
  "email": "neda@northeastern.edu",
  "subTeams": "Team 2",
  "region": "west",
  "expDeliverDate": "2022/05/02",
  "street": "C-8702 97 Ave NW",
  "address2": "",
  "province": "Alberta",
  "city": "Edmonton",
  "postcode": "T6C 2C1",
  "manifestList": Array
}
```

manifestList: Array

0: Object

```
newItemName: "The Da Vinci Code"
newitemId: "62716e0514967068a4dd8d7e"
requestAmount: "5"
currentQuantiry: "20"
```

1: Object

```
newItemName: "Moby-Dick"
newitemId: "62716d1d14967068a4dd8d7d"
requestAmount: "5"
currentQuantiry: "10"
```

2: Object

```
newItemName: "NEU Souvenir Pen"
newitemId: "62716f9b14967068a4dd8d7f"
requestAmount: "5"
currentQuantiry: 150
```



mongoDB®

# Data model

## inventories.users

STORAGE SIZE: 36KB    TOTAL DOCUMENTS: 4    INDEXES TOTAL SIZE: 36KB

Find

Indexes

Schema Anti-Patterns 0

Aggregation

Search Indexes ●

FILTER

{ field: 'value' }

QUERY RESULTS 1-4 OF 4

>

```
_id: ObjectId("625b5618df677705732a8d7d")
email: "michelle@test.com"
hobby: "shopping"
occupation: "software engineer~"
```



# 3rd Party API Integration

- Address Correction
- Errorless
- Save Time
- Improve User Flow
- Industry standard
- Make sure you receive your package!



Street Address1:

9

9-1489 Heritage Way Oakville, ON, L6M 4M5

9-1925 Indian River Cres North Vancouver, BC, V7G 2P7

9-18054 Boul De Pierrefonds Pierrefonds, QC, H9K 1K3

9-420 John Forsyth Rd Winnipeg, MB, R2N 4M8

9-9522 Main St Lake Country, BC, V4V 2L9

9-390 Rue Collins Farnham, QC, J2N 2N9

9-1160 Inlet St Coquitlam, BC, V3B 6W7

AddressComplete Change Country

Confirm

Submit shipment request

Address2(Room/APT/Suit):

Address2(Room/APT/Suit)

Postcode:

Zip/Postcode

Request amount



# Reflection

- **What are you most proud of?**
  - Awesome teamwork, great communication among team members, we are eager to learn and happy to contribute
  - Efficiency booster - we have a task tracker, weekly meetings
  - Great product - shipment app can be helpful
- **What was the most challenging part?**
  - External API did not work smoothly but hard to find out why - we solved the problem and improved the code by using https.
  - Weekly submissions towards the end of the semester require fast progress and close communication regarding reschedules and plans - glad we made it!

# Future improvement

- **Improve user experience.**
  - Before being forced login, we hope to create a page that allow the user to decide whether they want to log in or not. If they choose not to proceed to log in, they are able to go back to the original page.
- **Beautify our website.**
- **Add more functionalities.**
  - Check shipment status
  - Allow logged-in managers to approve or decline shipping requests
  - Allow users to upload and update their profile images.

# Thank you for watching!

## Q & A



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