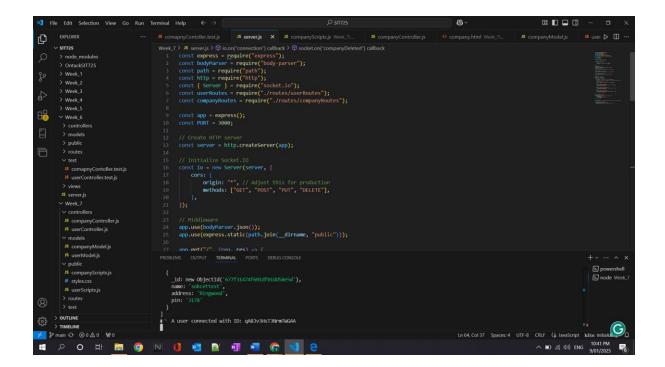
GitHub Link: https://github.com/emmalujosephwork/SIT725

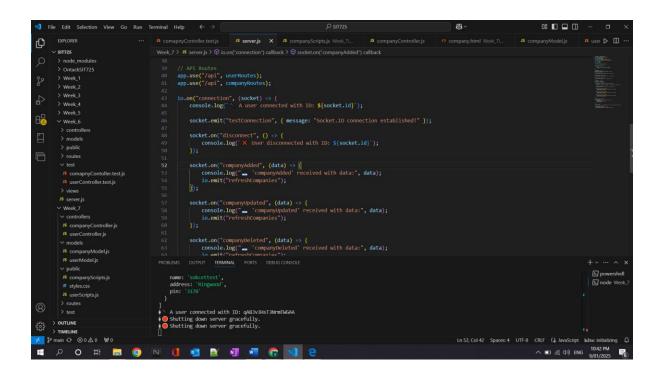
Socket programming is a way of enabling two devices to communicate directly with each other over a network, such as the Internet. It creates a "socket," which acts like a virtual phone line between a client and a server. Once connected, both devices can send and receive data in real-time. This is commonly used in applications that need instant updates, like chat applications, online games, or live notifications.

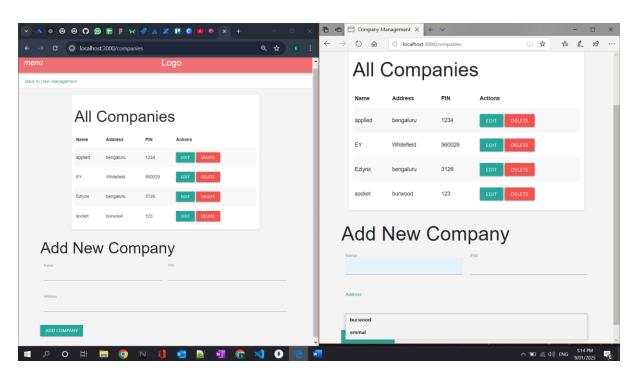
Example

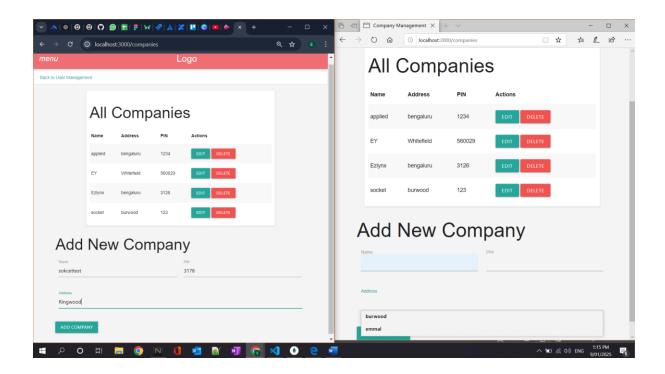
Ticket booking: If a person books a ticket in one place, it will be blocked for other users in their system.

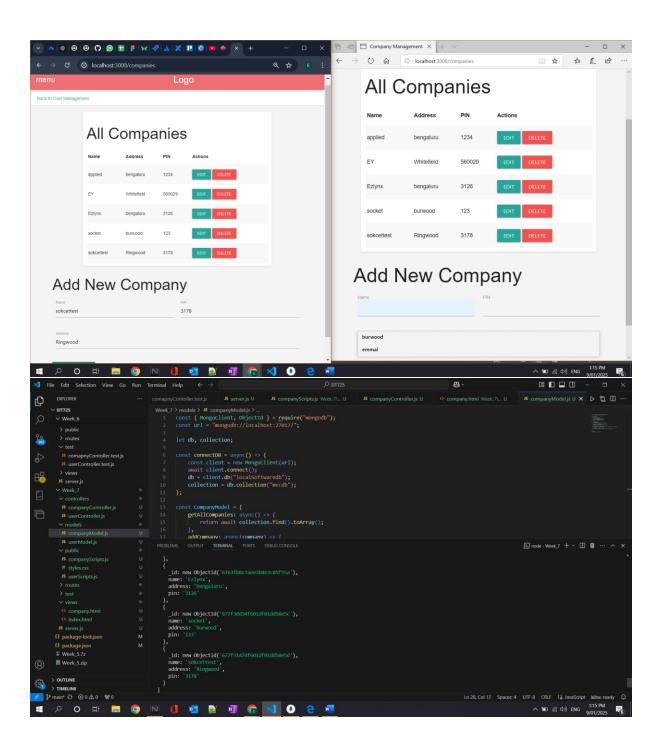
Product Count update: if a person buys a product from a store or website, the count will be updated for every other system in the store or for every other user who uses the website.











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08 🔳 🖿 🖽
Ф
   ∨ Week_6
                                                                                ☑ node - Week_7 + ∨ □ 🛍 ··· ^ ×
                      name: 'socket',
address: 'burwood',
pin: '123'
                    ... Adding new company: { name: 'sokcettest', address: 'Ringwood', pin: '3178' 

✓ Company added successfully: {
acknowledged: true,
insertedid: new Objectid('677f31474f601df01dd50e5d')
   'companyAdded' received with data: { name: 'sokcettest', address: 'Ringwood', pin: '3178' } Fetched companies:
                     {
    _id: new ObjectId('675c2dd2fdcdf1a4046d847a'),
500
  > TIMELINE
P main* ↔ ⊗ 0 △ 0 1/4 0
                                                                       오 O 배 👼 🧿 N 🐧 🧧 📓 🕡 🕝 📢 🕖 🤮 🚾
      A user connected with ID: qA8Jv3HsT3NrmTWGAA
    User disconnected with ID: R4qDjdv-zdS4f0TpAAAB
 server running at nttp://iocainost:3000
  🌓 🔌 A user connected with ID: R4qDjdv-zdS4f0TpAA
  🌓 🔌 A user connected with ID: pjvrp3y9C0mqTzuPAA
 Deleting company ID: 677f31474f601df01dd58e
 Company deleted successfully: { acknowledged: true, deletedCount: 1 }
 'companyDeleted' received with data: { id: '677f31474f601df01dd58e5d'
 ♦ ♣ Fetched companies:
Adding new company: { name: 'Amzon', address: '12 sg palya', pin: '560029'

✓ Company added successfully: {
  acknowledged: true,
  insertedId: new ObjectId('677fb7144850d670d30fc0a4')
↓ 'companyAdded' received with data: { name: 'Amzon', address: '12 sg palya', pin: '560029'
♦ ♣ Fetched companies:
  🎎 Deleting company ID: 677f30d34f601df01dd58e
  Company deleted successfully: { acknowledged: true, deletedCount: 1 }

    Fetched companies:
```

