Defer Loading in Angular

Defer loading of Order History:

Defer loading of order history refers to loading the historical order data of a user later in their interaction with the application rather than immediately loading it during the initial run of the application.

Need for Defer Loading Order History:

Performance Optimization:

Loading a large amount of order history data during the initial application load can significantly impact performance. By deferring the load, you prioritize the loading of essential information, leading to a faster initial user experience.

Faster Initial Page Load:

Users accessing the application for the first time might not require their entire order history immediately. Deferred loading allows you to reduce the initial payload, improving the time it takes for users to see and interact with the main features.

Bandwidth Efficiency:

Loading order history data only when explicitly requested or when the user navigates to the relevant section conserves bandwidth. This is especially beneficial for users on slower or limited internet connections.

Improved User Experience:

Focusing on the core functionality during the initial load enhances the overall user experience. Users can quickly engage with essential tasks, and non-essential information, like order history, can be loaded in the background.

EXPLORER ··· Welcome <> order-history.component.html M ●

FoodOrderingApp > src > app > order-history > <> order-history.component.html > ⬡ div.order-history > ⬡ div.order-entry > ⬡ div.detailed-order

```html
14      <div class="detailed-order" *ngIf="selectedInvoice === invoice">
15        @defer (on hover){
16          <h2>Order Details - Invoice ID: {{ invoice.invoiceId }}</h2>
17          <div class="order-info">
18            <div>Order Date: {{ invoice.orderDate | date }}</div>
19            <div>Order Status: {{ invoice.orderStatus }}</div>
20          </div>
21          <div class="order-items">
22            <div class="order-item" *ngFor="let order of invoice.orderDetails">
23              <div class="item-details">
24                <div class="item-name">{{ order.foodItemName }}</div>
25                <div class="item-price">Price: {{ order.foodItemPrice | currency: 'INR' }}</div>
26                <div class="item-quantity">Quantity: {{ order.foodItemQty }}</div>
27              </div>
28              <div class="item-image">
29                <img [src]="getBase64Image(order.foodItemImageUrl)" alt="Food Item Image" height="50px" widt
30              </div>
31            </div>
32          </div>
33          <div class="total-amount">
34            Total Amount: {{ calculateTotalAmount(invoice.orderDetails) | currency: 'INR' }}
35          </div>
36        }@placeholder {
37          <div>Loading order history</div>
38        }
39        </div>
40      </div>
41    </div>
42
```

APPLICATION
> food-item-edit
> food-item-form
> footer
> gallery
> guards
> home
> login
> menu
> menu-item
> models
> navbar
∨ order-history
  # order-history.component.css
  <> order-history.component.... M
  TS order-history.component.spec.ts
  TS order-history.component.ts
> order-summary
> otp
> services
> signup
> user-profile
> validators
TS app-routing.module.ts
app.component.css

> OUTLINE
> TIMELINE

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