**TRACKING APP FUNCTIONALITY**

1. **Header**:
   1. Company logo: redirects home
   2. Signup/login for unauthorized users (Fully functioning user authentication):
      1. Email address must be unique
      2. Passwords are hashed and never stored in DB as raw input
      3. On client side - the user receives a jwt (JSON Web Token) token for this current session
      4. A session lasts for 1 hour (A timer is shown in the browser in seconds) so a user can exit the browser and reload and still be connected if the session has not run out.
      5. Implemented error handling for signup and login errors:
         1. Authentication mismatch
         2. Attempt to signup with existing email
   3. New Order/logout for authorized users:
      1. New order – redirects to createOrder component:
         1. createOrder() is called If mode === ‘create’ (No order id provided in URL, default for clicking ‘New Order’)
         2. An empty form is generated for user input
         3. The order is persistently saved in DB under the collection named orders
         4. The order has a creator field that is set to the UserID
         5. The user has an orders field that holds an array of orders and is appended with the created order
         6. Implemented error handling:
            1. User has no access
            2. Order cannot be saved
      2. Logout – Logs out of application:
         1. Session ends
         2. Token is deleted
         3. Accessing orders from homepage is not allowed
2. **Body:**
   1. Orders display:
      1. If (userIsAuthenticed) => user will have access to his list of orders
         1. An accordion is displayed with the order title for every order
         2. When the accordion expands the tracking number of the order is shown as well (currently shows order Id, because of backend stuff)
         3. Every order can be viewed, edited or deleted
         4. View: The user is redirected to view the full details of the selected order
         5. Edit: Create Order Component is invoked:
            1. updateOrder() is called if mode === ‘edit’ (Order id given in URL)
            2. A form is initialized with the current order values (before updating)
            3. On click The order is updated in DB with the new form values
         6. Delete: deleteOrder() is called.
            1. On click the order is deleted from the DB orders collection
            2. On click the order is removed from the orders array in user
      2. If (!userIsAuthenticated) => user will only be able to lookup orders by tracking number, or alternatively login and then view any existing orders
   2. Paginator: An angular html component to show the numbers related to orders and pages:
      1. A user can define how many orders to display in one page
      2. The paginator shows the current orders being displayed
      3. The paginator shows total number of orders
   3. Lookup Order by tracking search bar:
      1. If a correct tracking number is inputted, the user is redirected to view the full details of the selected order
      2. The search bar will always be present on the page
      3. Implemented error handling:
         1. If tracking number does not match any order:
            1. An error message is displayed
            2. App is rerouted to home
   4. Spinner: A loading spinner appears when components are loading