

Functional requirements for the project:

1. User authentication and login functionality
2. User registration and profile management (being able to delete or add new ads on the profile page)
3. Create, read, update, and delete (CRUD) operations for entities
4. (e.g., creating, finding and deleting items)
5. Search and filtering capabilities
6. Integration with the database

Non-functional Requirements:

1. Reliability: Availability and error handling requirements
2. Security: Authentication, authorization, data encryption, and access control requirements. Role-based access control should be implemented to restrict certain actions to authorized roles
3. Usability: User interface design for more understandable content. Clear and informative error messages should be provided to guide users in case of any issues. The user interface should be intuitive, user-friendly, and aesthetically pleasing.
4. Compatibility: Compatibility with specific platforms, browsers, or devices such as Chrome, Firefox, Safari, and Edge

CRC cards:

1. Class Item

Responsibilities:	Collaborators:
Maintain item information such as name, price, description, and city. Manage images associated with the item. Track the user who posted the item. Keep track of the date and time the item was created.	Image: Represents the images associated with the item. User: Represents the user who posted the item.

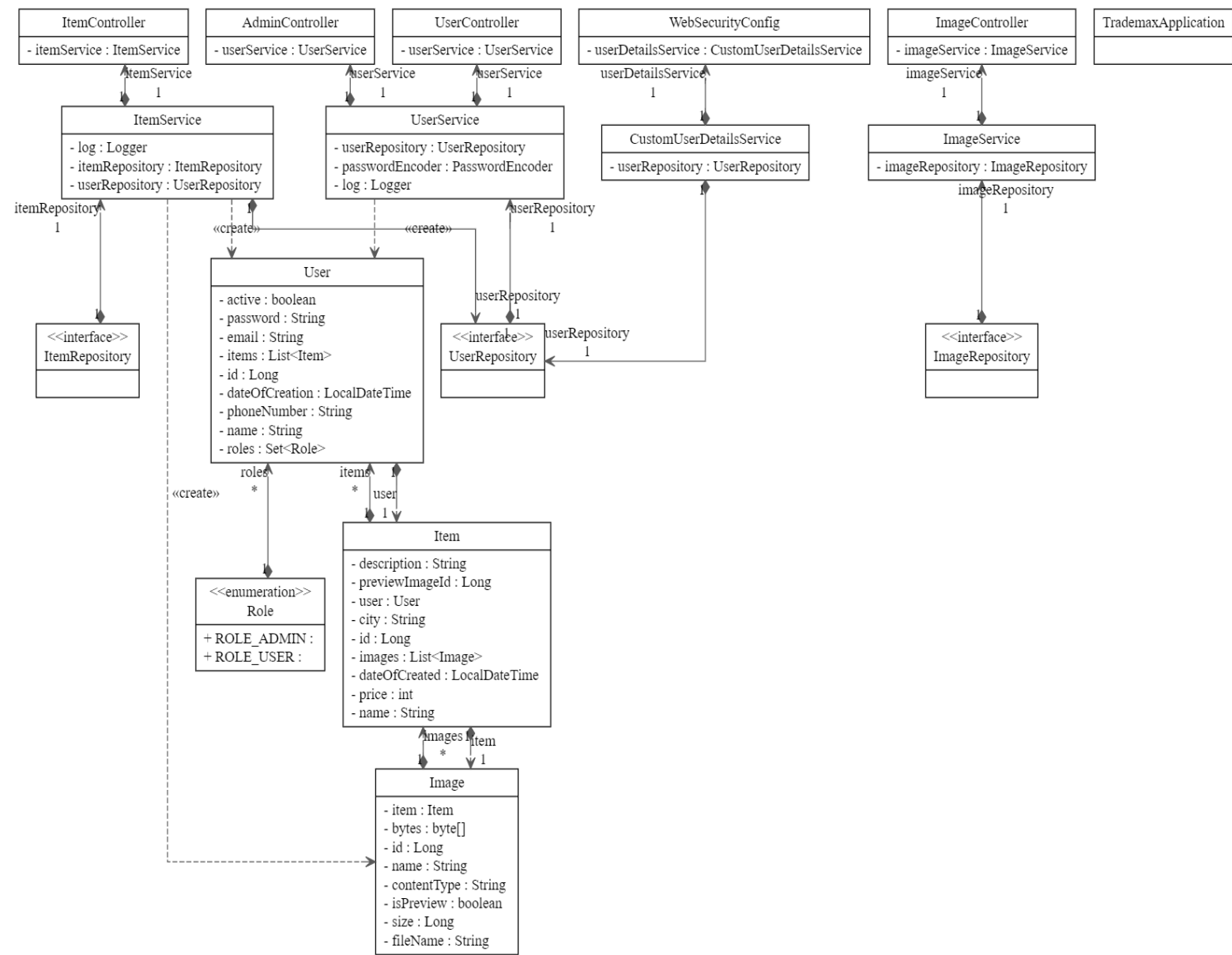
2. Class User

Responsibilities:	Collaborators:
Maintain user information such as name, email, phone number, and password. Manage the roles assigned to the user. Track the items posted by the user. Keep track of the date and time the user was created.	Role: Represents the roles assigned to the user. Item: Represents the items posted by the user.

3. Class Image

Responsibilities:	Collaborators:
Maintain image information such as name, file name, size, content type, and preview status.	None

Class diagram:



Use cases:

