Create a solution that will contain the following projects:

Web API with one User controller with the following features:

1. Register
2. Login
3. Get user data
4. Update user data
5. Delete a user
6. **Bonus - Get login history by user**
7. **Bonus – List all users (with pagination)**

Bonus - Worker service with two responsibilities:

1. Send a verification email once the user registers (you don't have to send an actual email, it's enough to simulate the process).
2. Insert the successful user logins in a table named LoginHistory

When implementing the solution, try to use/include the following tools/technologies/features:

1. ORM – Entity Framework (code first) – MySQL/MSSQL
2. Auto Mapper
3. Fluent Validation
4. Logging
5. Setup CORS to accept requests only from the following domain **dummy.com**
6. Unit tests
7. Global error handling (for the API)
8. **Bonus - Integration tests**
9. **Bonus - Authentication/Authorization**
10. **Bonus - Rabbit MQ**
11. **Bonus – CQRS**
12. **Bonus -** Let's say this is the beginning of a huge project. Propose/Implement a design pattern that will bring better scalability, testability, and maintainability to the project.