**Steps:**

1. Create Google app
2. Enable 2FA on App (using Credentials file)
3. Create Login view
4. After login process (correct credentials)
   * If first time then active user and store token then welcome View
   * Else welcome view
5. From welcome view () => navigation bar (Create New User, Manage Account)

**Technologies, Frameworks, Libraries and Database Used**

1. MVC
2. Dapper
3. SQL
4. Google Authenticator Library

**Views:**

1. Login
2. Welcome
3. Create new user
4. Manage your account
5. 2FA Configuration
6. Verify 2FA

**Table columns (user\_login\_info)**

1. Id
2. Username
3. Password
4. IsActive
5. Is2FAEnabled
6. LastLoggedIn
7. 2FALastUse
8. Token
9. AuthenticatorKey
10. CreatedBy

**End Points**

1. Login
2. Create User
3. Enable 2FA
4. Generate 2FA
5. Configure 2FA
6. Verify (Login two step)

**Patterns**

1. Repository Pattern
2. IOptionsPattern in getting options value from appsettings for hashing password
3. Factory Pattern
4. Repository pattern