<<interface>> **AuthenticationService AuthController** @post /auth/signin @post /auth/refresh + authenticate(DTO request) : AuthResult @post /auth/logout + generateAndSaveRT(User user) : String + validateAndRotateRT(String oldToken) : RTInfo> + revokeRT(String tokenValue) : Void Auth Subsystem **AuthenticationServiceImpl** + authenticate(DTO request) : AuthResult Jwt Service + generateAndSaveRT(User user) : String UserRepository + validateAndRotateRT(String oldToken) : RTInfo RefreshTokenRepository + revokeRT(String tokenValue): Void AuthenticationManager