

C LoginModel
<ul style="list-style-type: none"> ○ use: User ○ mod: Module ○ errorMessage: String ○ successMessage: String ○ userManager: UserManager ○ CurrentUserUsername: String
<ul style="list-style-type: none"> ● OnGet() ● OnPost()

C UserManager
<ul style="list-style-type: none"> ▣ connectionString: String
<ul style="list-style-type: none"> ● UserManager(connectionString: String) ● AuthenticateUser(username: String, password: String): User ● RegisterUser(username: String, password: String)

C User
<ul style="list-style-type: none"> ○ Id: int ○ Username: String ○ PasswordHash: String

C Module
<ul style="list-style-type: none"> ○ Id: int ○ Code: String ○ Name: String ○ Credits: int ○ ClassHoursPerWeek: int

C IndexModel
<ul style="list-style-type: none"> ○ login: LoginModel ○ mod: Module ○ listModules: List<Module>
<ul style="list-style-type: none"> ● OnGet() ▣ GetUserByIdByUsername(connection: SqlConnection, username: String): int

C AddModuleModel
<ul style="list-style-type: none"> ○ mod: Module ○ errorMessage: String ○ successMessage: String ○ login: LoginModel
<ul style="list-style-type: none"> ● OnGet() ● OnPost() ▣ GetUserByIdByUsername(connection: SqlConnection, username: String): int

C EditModuleModel
<ul style="list-style-type: none"> ○ mod: Module ○ errorMessage: String ○ successMessage: String
<ul style="list-style-type: none"> ● OnGet() ● OnPost()

C RegisterModel
<ul style="list-style-type: none"> ○ use: User ○ mod: Module ○ errorMessage: String ○ successMessage: String ○ userManager: UserManager
<ul style="list-style-type: none"> ● OnGet() ● OnPost()

C CalculateModel
<ul style="list-style-type: none"> ○ stud: StudyHours ○ mod: Module ○ errorMessage: String ○ successMessage: String ○ shm: StudyHoursManager ○ NumberOfWeeks: int ○ StartDate: DateTime ○ HoursSpent: int ○ StudyDate: DateTime ○ CalculatedStudyHours: int
<ul style="list-style-type: none"> ● OnGet() ● OnPost() ▣ InsertStudyHours(moduleId: int, studyDate: DateTime, hoursSpent: int)

C StudyHours
<ul style="list-style-type: none"> ○ ModuleId: int ○ Date: DateTime ○ HoursSpent: int

C StudyHoursManager
<ul style="list-style-type: none"> ▣ connectionString: String
<ul style="list-style-type: none"> ● StudyHoursManager(connectionString: String)