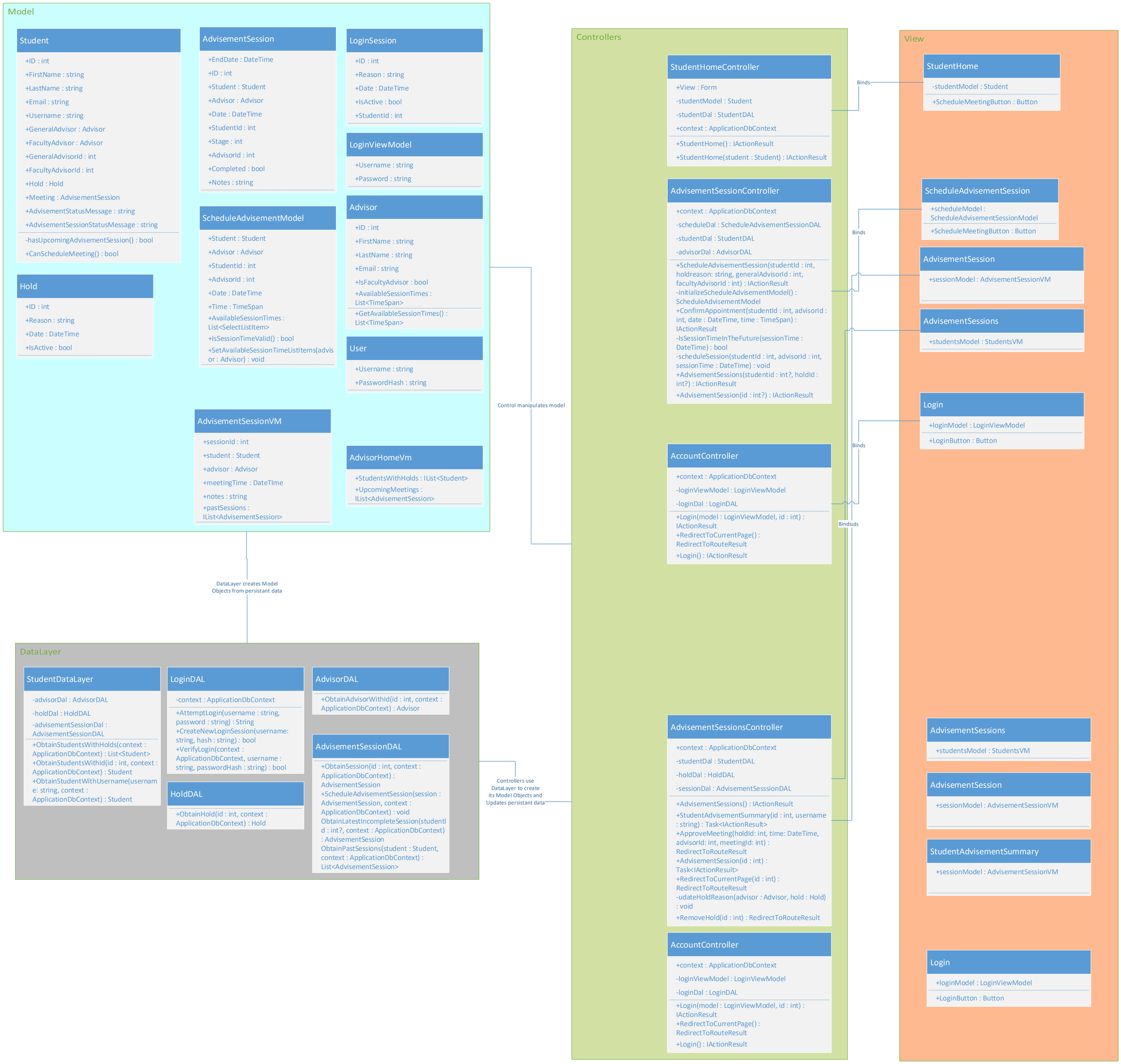
Model
Student
+ID : int
+FirstName : string
+LastName : string
+Email : string
+Username : string
+GeneralAdvisor : Advisor
+FacultyAdvisor : Advisor
+GeneralAdvisorId : int
+FacultyAdvisorId : int
+Hold : Hold
+Meeting : AdvisementSession
+AdvisementStatusMessage : string
+AdvisementSessionStatusMessage : string
-hasUpcomingAdvisementSession() : bool
+CanScheduleMeeting() : bool
Hold
+ID : int
+Reason : string
+Date : DateTime
+IsActive : bool
AdvisementSession
+EndDate : DateTime
+ID : int
+Student : Student
+Advisor : Advisor
+Date : DateTime
+StudentId : int
+Stage : int
+AdvisorId : int
+Completed : bool
+Notes : string
ScheduleAdvisementModel
+Student : Student
+Advisor : Advisor
+StudentId : int
+AdvisorId : int
+Date : DateTime
+Time : TimeSpan
+AvailableSessionTimes : List<SelectListItem>
+IsSessionTimeValid() : bool
+SetAvailableSessionTimeListItems(advisor : Advisor) : void
AdvisementSessionVM
+sessionId : int
+student : Student
+advisor : Advisor
+meetingTime : DateTIme
+notes : string
+pastSessions : IList<AdvisementSession>
LoginSession
+ID : int
+Reason : string
+Date : DateTime
+IsActive : bool
+StudentId : int
LoginViewModel
+Username : string
+Password : string
Advisor
+ID : int
+FirstName : string
+LastName : string
+Email : string
+IsFacultyAdvisor : bool
+AvailableSessionTimes : List<TimeSpan>
+GetAvailableSessionTimes() : List<TimeSpan>
User
+Username : string
+PasswordHash : string
AdvisorHomeVm
+StudentsWithHolds : IList<Student>
+UpcomingMeetings : IList<AdvisementSession>
Control manipulates model
DataLayer creates Model Objects from persistant data
DataLayer
StudentDataLayer
-advisorDal : AdvisorDAL
-holdDal : HoldDAL
-advisementSessionDal : AdvisementSessionDAL
+ObtainStudentsWithHolds(context : ApplicationDbContext) : List<Student>
+ObtainStudentsWithId(id : int, context : ApplicationDbContext) : Student
+ObtainStudentWithUsername(username: string, context : ApplicationDbContext) : Student
LoginDAL
-context : ApplicationDbContext
+AttemptLogin(username : string, password : string) : String
+CreateNewLoginSession(username: string, hash : string) : bool
+VerifyLogin(context : ApplicationDbContext, username : string, passwordHash : string) : bool
HoldDAL
+ObtainHold(id : int, context : ApplicationDbContext) : Hold
AdvisorDAL
+ObtainAdvisorWithId(id : int, context : ApplicationDbContext) : Advisor
AdvisementSessionDAL
+ObtainSession(id : int, context : ApplicationDbContext) : AdvisementSession
+ScheduleAdvisementSession(session : AdvisementSession, context : ApplicationDbContext) : void
ObtainLatestIncompleteSession(studentId : int?, context : ApplicationDbContext) : AdvisementSession
ObtainPastSessions(student : Student, context : ApplicationDbContext) : List<AdvisementSession>
Controllers use DataLayer to create its Model Objects and Updates persistant data
Controllers
StudentHomeController
+View : Form
-studentModel : Student
-studentDal : StudentDAL
+context : ApplicationDbContext
+StudentHome() : IActionResult
+StudentHome(student : Student) : IActionResult
AdvisementSessionController
+context : ApplicationDbContext
-scheduleDal : ScheduleAdvisementSessionDAL
-studentDal : StudentDAL
-advisorDal : AdvisorDAL
+ScheduleAdvisementSession(studentId : int, holdreason: string, generalAdvisorId : int, facultyAdvisorId : int) : IActionResult
-initializeScheduleAdvisementModel() : ScheduleAdvisementModel
+ConfirmAppointment(studentId : int, advisorId : int, date : DateTime, time : TimeSpan) : IActionResult
-IsSessionTimeInTheFuture(sessionTime : DateTime) : bool
-scheduleSession(studentId : int, advisorId : int, sessionTime : DateTime) : void
+AdvisementSessions(studentid : int?, holdId : int?) : IActionResult
+AdvisementSession(id : int?) : IActionResult
AccountController
+context : ApplicationDbContext
-loginViewModel : LoginViewModel
-loginDal : LoginDAL
+Login(model : LoginViewModel, id : int) : IActionResult
+RedirectToCurrentPage() : RedirectToRouteResult
+Login() : IActionResult
AdvisementSessionsController
+context : ApplicationDbContext
-studentDal : StudentDAL
-holdDal : HoldDAL
-sessionDal : AdvisementSesssionDAL
+AdvisementSessions() : IActionResult
+StudentAdvisementSummary(id : int, username : string) : Task<IActionResult>
+ApproveMeeting(holdId: int, time: DateTime, advisorId: int, meetingId: int) : RedirectToRouteResult
+AdvisementSession(id : int) : Task<IActionResult>
+RedirectToCurrentPage(id : int) : RedirectToRouteResult
-udateHoldReason(advisor : Advisor, hold : Hold) : void
+RemoveHold(id : int) : RedirectToRouteResult
AccountController
+context : ApplicationDbContext
-loginViewModel : LoginViewModel
-loginDal : LoginDAL
+Login(model : LoginViewModel, id : int) : IActionResult
+RedirectToCurrentPage() : RedirectToRouteResult
+Login() : IActionResult
Binds
Binds
Binds
Bindsids
View
StudentHome
-studentModel : Student
+ScheduleMeetingButton : Button
ScheduleAdvisementSession
+scheduleModel : ScheduleAdvisementSessionModel
+ScheduleMeetingButton : Button
AdvisementSession
+sessionModel : AdvisementSessionVM
AdvisementSessions
+studentsModel : StudentsVM
Login
+loginModel : LoginViewModel
+LoginButton : Button
AdvisementSessions
+studentsModel : StudentsVM
AdvisementSession
+sessionModel : AdvisementSessionVM
StudentAdvisementSummary
+sessionModel : AdvisementSessionVM
Login
+loginModel : LoginViewModel
+LoginButton : Button