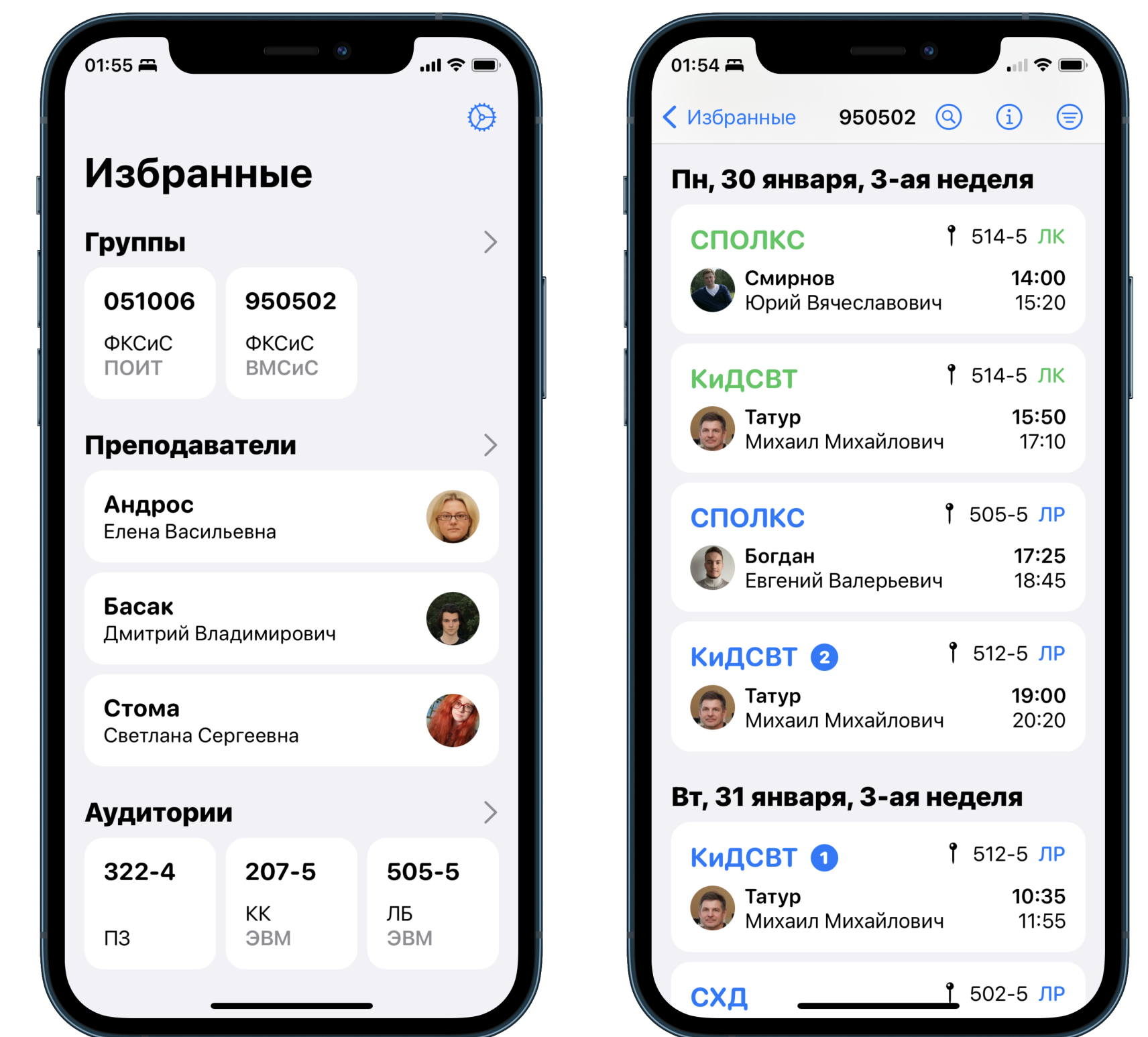


## bsuirSchedule:

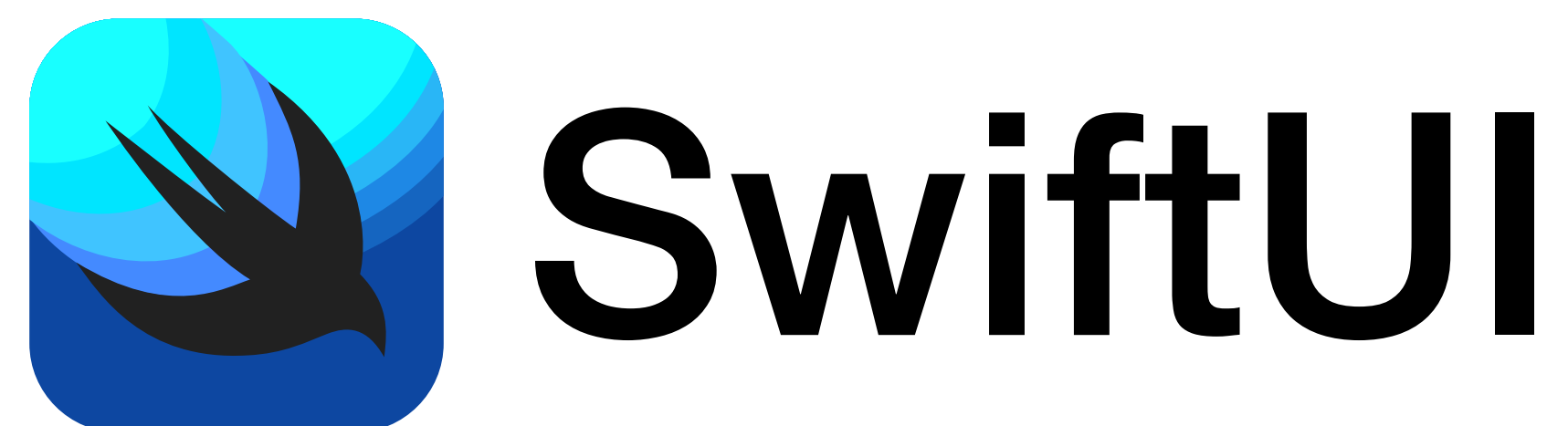
Кроссплатформенное приложение для iOS, macOS и iOS;  
Расписание групп, преподавателей и кабинетов;  
Максимум информации из API ИИС БГУИР;  
Использование новейших Framework;  
Адаптивный интерфейс.



## Используемые технологии:



Swift

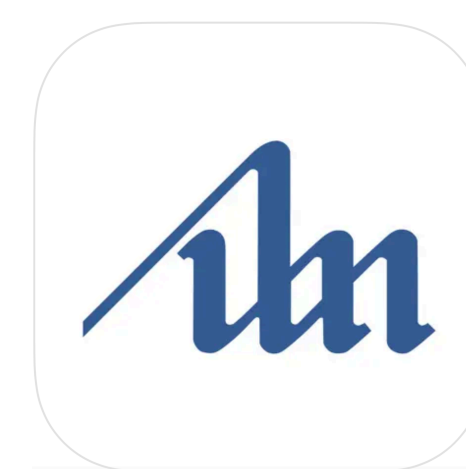


SwiftUI



CoreData

## Аналоги:

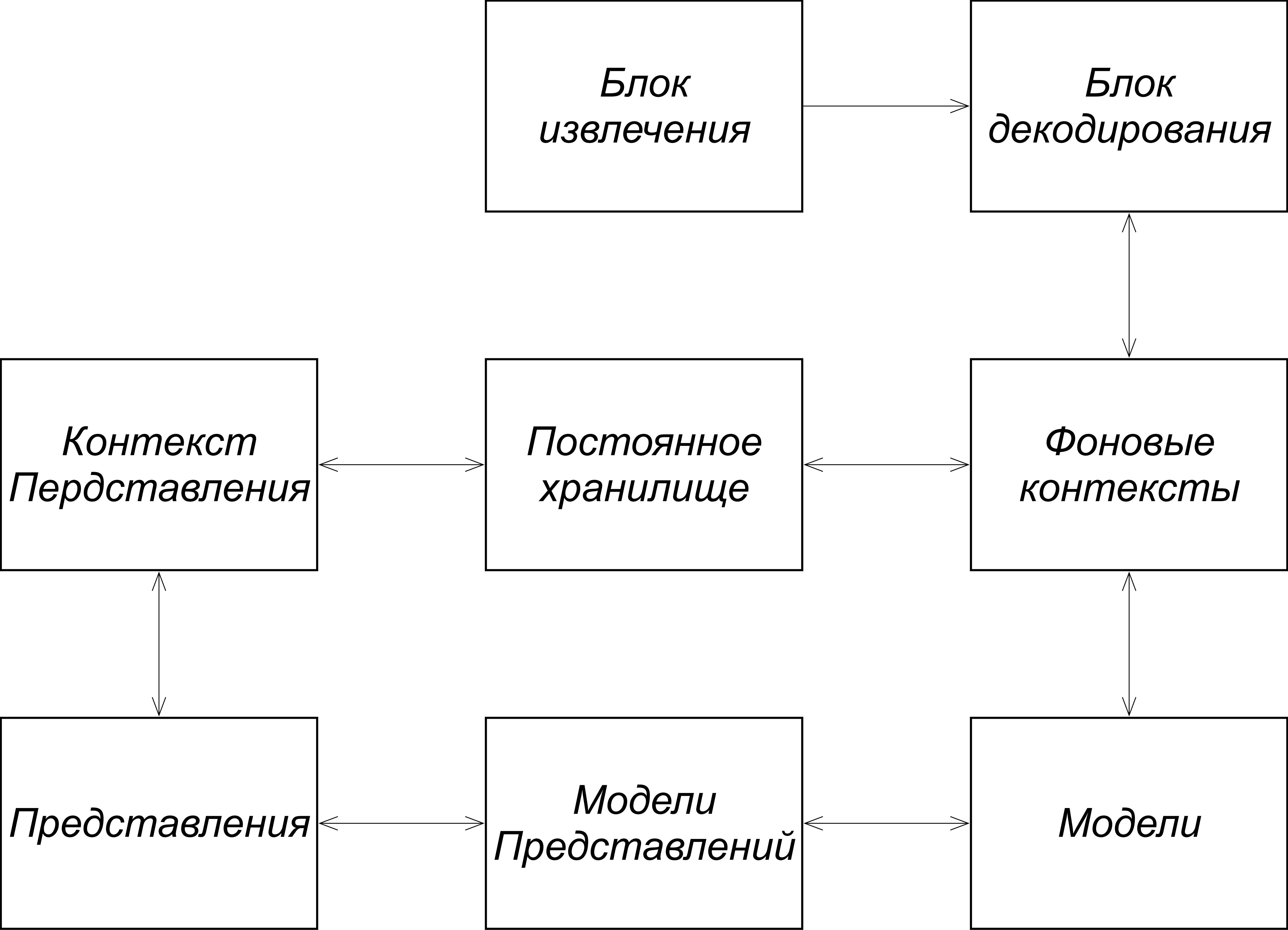


Bsuir Schedule



BSUIR Timetable





Speciality

+ id : Int32  
+ name : String  
+ abbreviation : String  
+ educationType : EducationType?  
+ code : String?  
+ groups : NSSet?  
+ faculty : Faculty?  
+ init(from: Decoder)  
~ fetchAll()  
+ addToGroups(NSSet)  
+ removeFromGroups(NSSet)  
+ addToGroups(Group)  
+ removeFromGroups(Group)  
~ formattedID() String  
~ formattedDescription(Bool) String  
~ update(Decoder)  
~ updateFromGroupDecoder(Decoder)

EducationType

+ init(from:.)  
+ id : Int16  
+ name : String  
+ addToSpecialities(NSSet)  
+ removeFromSpecialities(NSSet)  
+ addToSpecialities(Speciality)  
+ removeFromSpecialities(Speciality)

Group

~ title : String  
~ flow : [Group]?  
~ educationDegree : EducationDegree?  
+ name : String  
+ numberOfStudents : Int16  
+ educationDegreeValue : Int16  
+ course : Int16  
+ favorite : Bool  
+ lessonsUpdateDate : Date?  
+ nickname : String?  
+ speciality : Speciality?  
+ educationStart : Date?  
+ educationEnd : Date?  
+ examsStart : Date?  
+ examsEnd : Date?  
+ lessons : NSSet?  
~ employees : [Employee]?  
+ init(from:.)  
+ addToLessons(NSSet)  
+ removeFromLessons(NSSet)  
+ addToLessons(Lesson)  
+ removeFromLessons(Lesson)  
~ update(Decoder)  
- decodeGroup()  
- decodeSpeciality()  
- decodeLessons()  
~ {static} defaultLessonSettings()  
~ {static} fetchAll()  
~ update()  
~ {static} updateGroups(groups:.)  
~ decodeEducationDates(Decoder)  
~ fetchLastUpdateDate()

<<enumeration>> EducationDegree

~ bachelor  
~ master  
~ description : String

Employee

~ title : String  
~ formattedName : String  
~ departmentsArray : [Department]?  
~ departmentsAbbreviations : [String]?  
+ id : Int32  
+ urlID : String?  
+ firstName : String  
+ middleName : String?  
+ lastName : String  
+ rank : String?  
+ degree : String?  
+ degreeAbbreviation : String?  
+ departments : NSSet?  
+ favorite : Bool  
+ lessonsUpdateDate : Date?  
+ educationStart : Date?  
+ educationEnd : Date?  
+ examsStart : Date?  
+ examsEnd : Date?  
+ photoLink : String?  
+ photo : Data?  
~ groups : [Group]?  
+ lessons : NSSet?  
+ init(from:.)  
~ {static} defaultLessonSettings()  
~ {static} fetchAll()  
~ update()  
~ {static} updateEmployees([Employee])  
~ fetchPhoto()  
~ decodeEducationDates(Decoder)  
~ fetchLastUpdateDate()  
+ addToLessons(NSSet)  
+ removeFromLessons(NSSet)  
+ addToLessons(Lesson)  
+ removeFromLessons(Lesson)  
+ addToDepartments(NSSet)  
+ removeFromDepartments(NSSet)  
+ addToDepartments(Department)  
+ removeFromDepartments(Department)  
~ update(Decoder)  
- decodeEmployee(Decoder)  
- decodeLessons(Decoder)  
- decodeDegree(Decoder)

Department

+ id : Int16  
+ name : String?  
~ formattedName : String  
+ abbreviation : String  
+ auditories : NSSet?  
+ employees : NSSet?  
+ init(Decoder)  
+ init(Decoder, NSManagedObjectContext)  
- formattedAbbreviationString() String  
+ addToAuditories(NSSet)  
+ removeFromAuditories(NSSet)  
+ addToAuditories(Auditorium)  
+ removeFromAuditories(Auditorium)  
+ addToEmployees(NSSet)  
+ removeFromEmployees(NSSet)  
+ addToEmployees(Employee)  
+ removeFromEmployees(Employee)  
~ {static} fetchAll()

Auditorium

~ title : String  
~ groups : [Group]?  
+ floor : Int16  
+ name : String  
+ formattedName : String  
+ note : String?  
+ favorite : Bool  
+ outsideUniversity : Bool  
+ building : Int16  
+ capacity : Int16  
+ type : AuditoriumType?  
+ department : Department?  
+ lessons : NSSet?  
+ init(from:.)  
+ init(from.in:.)  
~ {static} defaultLessonSettings()  
+ addToLessons(NSSet)  
+ removeFromLessons(NSSet)  
+ addToLessons(Lesson)  
+ removeFromLessons(Lesson)  
~ {static} fetchAll()  
~ update(Decoder)  
- decodeBuilding(String)  
- decodeName(String)  
- formateName() String

AuditoriumType

+ id : Int16  
+ name : String  
+ abbreviation : String  
+ auditories : NSSet?  
+ init(Decoder)  
+ addToAuditories(NSSet)  
+ removeFromAuditories(NSSet)  
+ addToAuditories(Auditorium)  
+ removeFromAuditories(Auditorium)

NSManagedObjectsSection

~ title : String  
~ id : String?  
~ items : [ObjectType]  
~ init(String, Hashable, [NSManagedObject])

AuditoriesViewModel

~ searchText  
~ selectedSectionType : AuditoriumSectionType  
~ selectedAuditoriumType : AuditoriumType?  
~ menuDefaultRules : [Bool]  
~ update()  
~ calculatePredicate()

GroupsViewModel

~ searchText: String  
~ selectedSectionType : GroupSectionType  
~ selectedFaculty : Faculty?  
~ selectedSpecialtyEducationType : EducationType?  
~ selectedEducationDegree : EducationDegree?  
~ selectedCourse : Int16?  
~ menuDefaultRules : [Bool]  
~ {static} update()  
~ calculatePredicate()

GroupViewModel

~ nicknameString : String  
~ submitNickname(String)

EmployeesViewModel

~ {static} update()  
~ calculatePredicate(String)

Faculty

+ id : Int16  
+ name : String?  
+ abbreviation : String?  
+ specialities : NSSet?  
+ init(Decoder)  
+ init(Int16, String?, String?, NSManagedObjectContext)  
+ addToSpecialities(NSSet)  
+ removeFromSpecialities(NSSet)  
+ addToSpecialities(Speciality)  
+ removeFromSpecialities(Speciality)  
~ {static} fetchAll()  
~ update(Decoder)  
~ updateFromGroupDecoder(Decoder)

LessonViewConfiguration

~ showAbbreviation : Bool  
~ showGroups : Bool  
~ showEmployees : Bool  
~ showWeeks : Bool  
~ showDates : Bool  
~ showDate : Bool  
~ init(Bool, Bool, Bool, Bool, Bool, Bool, Bool)  
~ {static} ==(.:.)

ScheduleSection

~ id : String  
~ date : Date?  
~ educationWeek : Int  
~ weekday : WeekDay  
~ lessons : [Lesson]  
~ title : String  
~ dateTitle : String?  
~ weekTitle : String  
~ dateString : String?  
~ description : String  
~ init(Date, Int16, Int16, [Lesson])  
~ {static} ==(ScheduleSection, ScheduleSection)

<<enumeration>> ScheduleSectionType

~ date  
~ week  
~ description : String

ScheduleViewModel

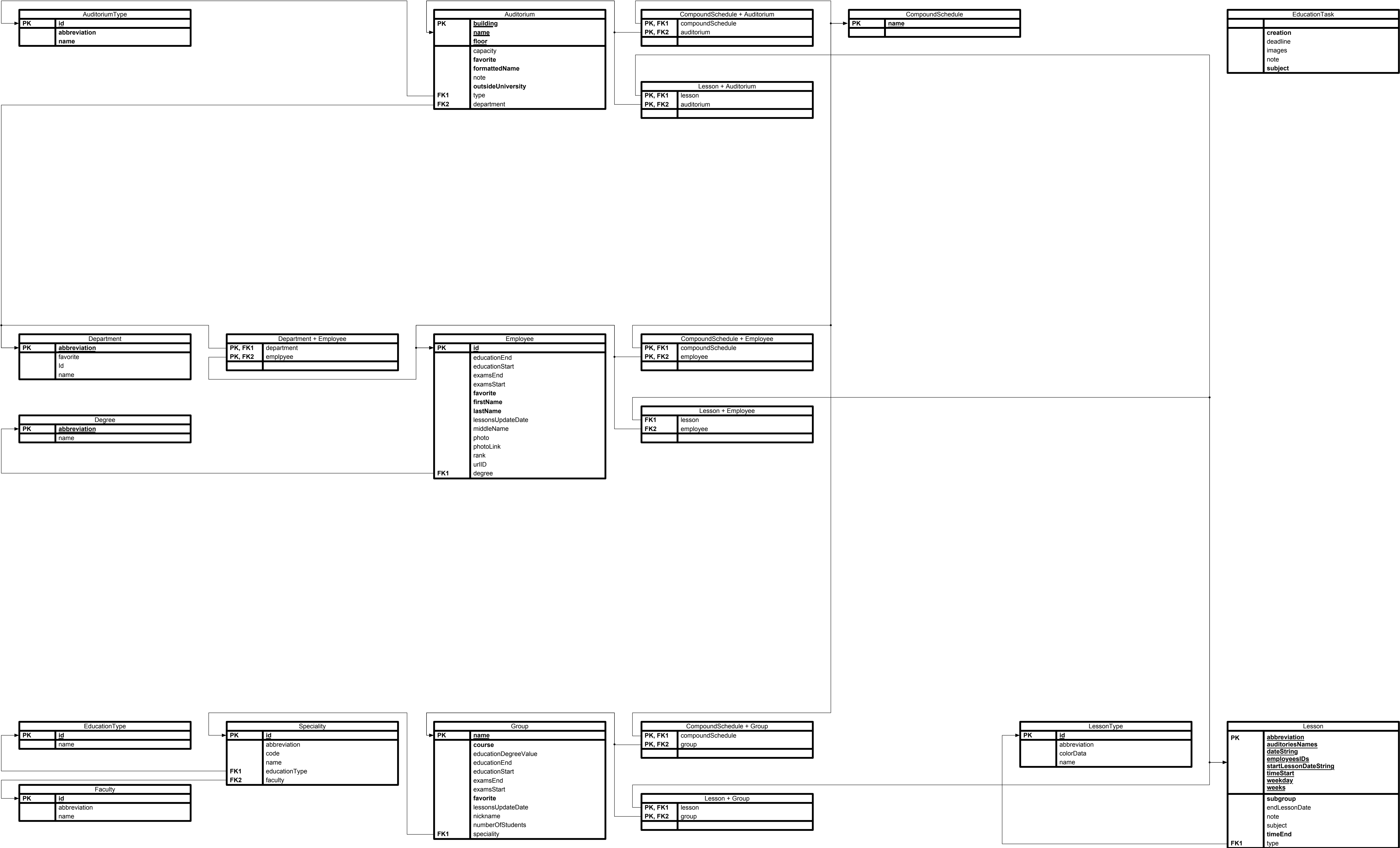
~ selectedSectionType : ScheduleSectionType  
~ showScrollView  
~ targetSection : ScheduleSection?  
~ scrollWithAnimation  
~ searchText  
~ showSearchField  
~ selectedDate  
~ showDatePicker  
~ selectedSubgroup : Int?  
~ sections : [ScheduleSection]?  
~ filteredSections : [ScheduleSection]?  
~ cancellables  
~ defaultRules : Bool  
~ init()  
~ addSelectedDateSubscriber()  
~ addSearchTextSubscriber()  
~ updateSections([Lessons])  
~ updateFilteredSections()  
~ scrollTo(ScheduleSection, ScrollViewProxy)  
~ scrollToDate(Bool)

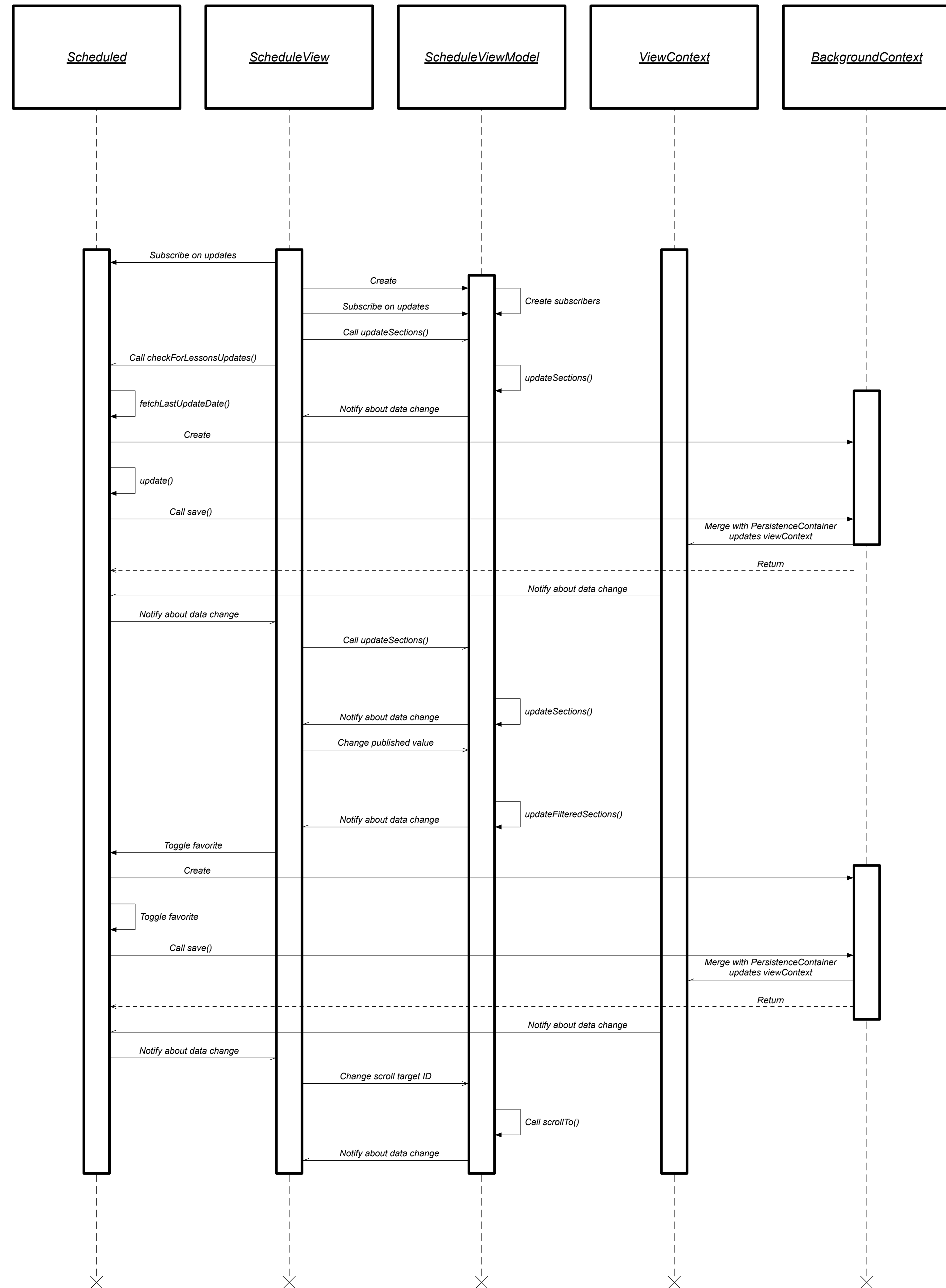
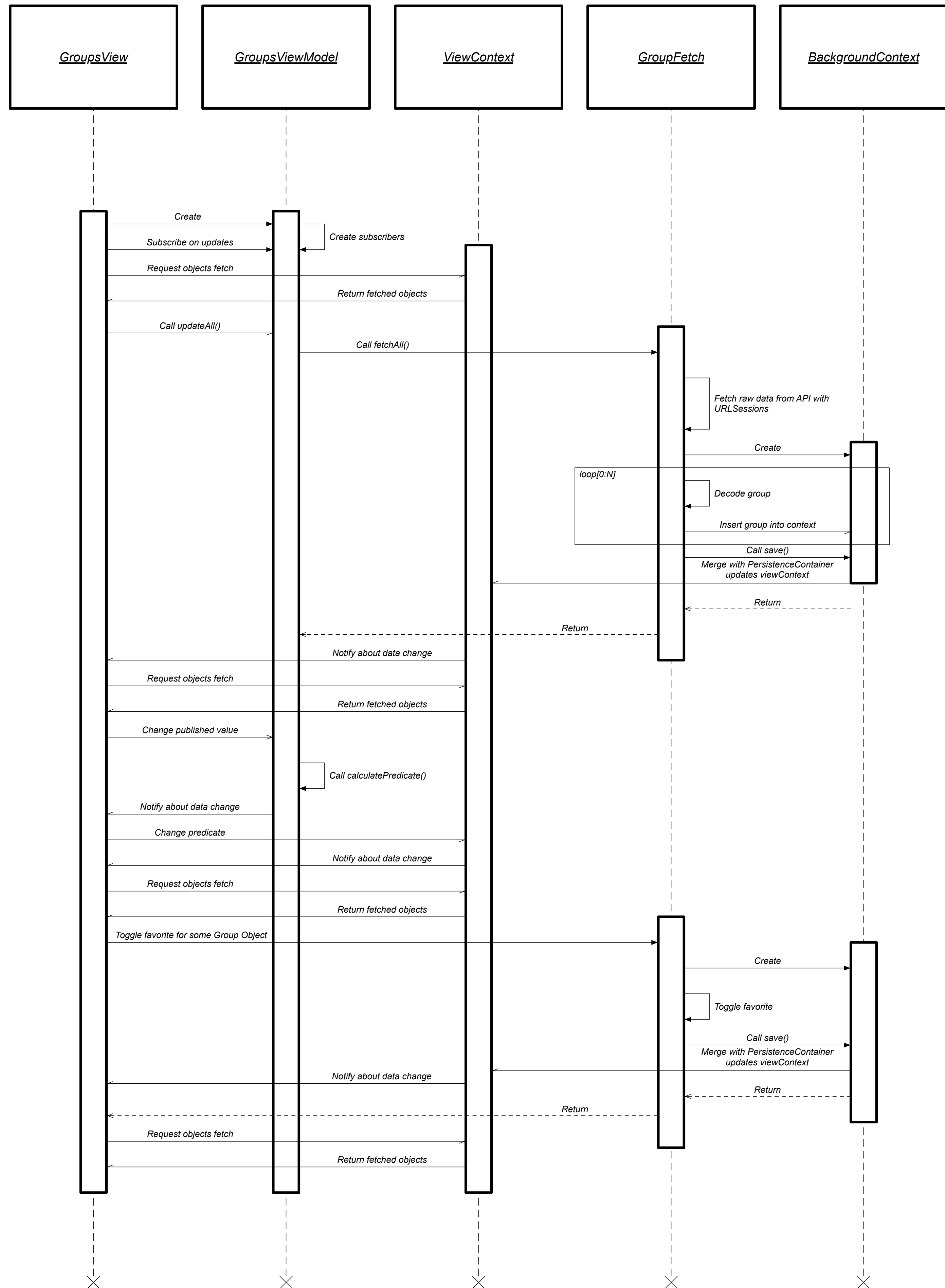
Lesson

+ description : String  
+ subject : String?  
+ abbreviation : String  
+ note : String?  
+ dateString : String  
+ weekday : Int16  
+ weeks : [Int]  
~ weeksDescription : String?  
+ startLessonDate : Date?  
+ startLessonDateString : String  
+ endLessonDate : Date?  
+ timeStart : String  
+ timeEnd : String  
+ groups : NSSet?  
+ subgroup : Int16  
+ employees : NSSet?  
+ employeesIDs : [Int32]  
+ auditoriesNames : [String]  
~ date : Date?  
~ dateRange : ClosedRange<Date>?  
~ timeRange : ClosedRange<Date>  
+ type : LessonType?  
+ auditories : NSSet?  
+ init(from:.)  
- decodeLesson(Decoder)  
- decodeDate(Decoder)  
- decodeAnnouncement(Decoder)  
- decodeAuditories(Decoder)  
- decodeEmployees(Decoder)  
- decodeGroups(Decoder)  
+ addToGroups(NSSet)  
+ removeFromGroups(NSSet)  
+ addToGroups(Group)  
+ removeFromGroups(Group)  
+ addToEmployees(NSSet)  
+ removeFromEmployees(NSSet)  
+ addToEmployees(Employee)  
+ removeFromEmployees(Employee)  
+ addToAuditories(NSSet)  
+ removeFromAuditories(NSSet)  
+ addToAuditories(Auditorium)  
+ removeFromAuditories(Auditorium)  
~ id(String) String

LessonType

+ id : Int16  
+ abbreviation : String  
+ name : String  
+ colorData : Data  
+ color : Color  
+ init(from:.)  
~ {static} initDefaultLessonTypes()  
~ formattedName(Bool) String







					ГВИР.400201.019 ПЛ.2			
					Заключительный плакат. Плакат	Лит.	Масса	Масштаб
Изм.	Лист	№ докум.	Подп.	Дата		у		
Рераб.	Гуринович					Лист 1	Листов 1	
Пров.	Басак							
Т. Контр.	Басак							
Реценз.								
Н. Контр.	Клинецвич					ЭВМ, гр. 950502		
Утв.	Никольшин							