



Visual Paradigm

for

UML



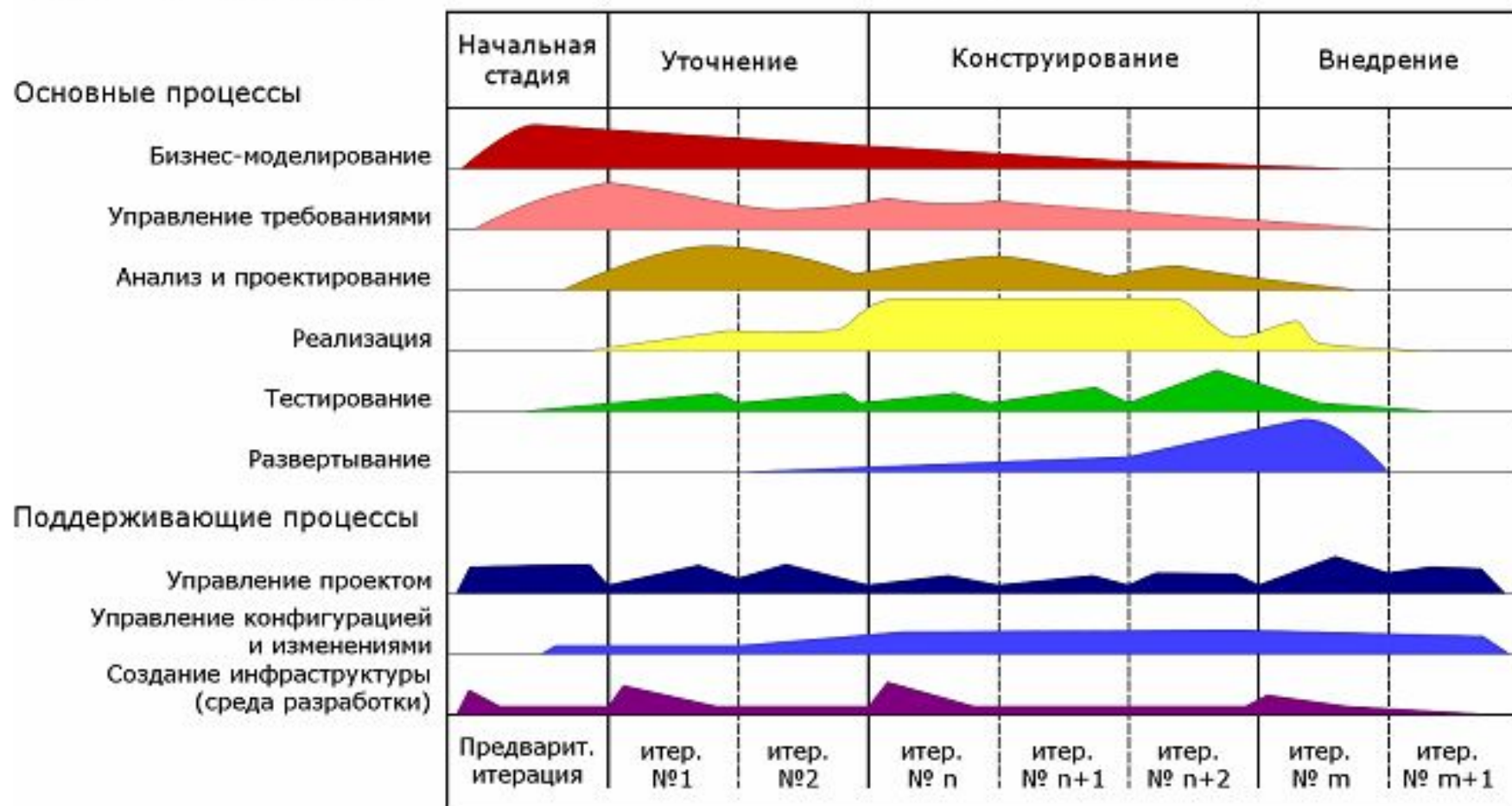
for

UML

Зачем нам нужна VR?

Рабочие процессы

Стадии



Итерации

Задачи VR

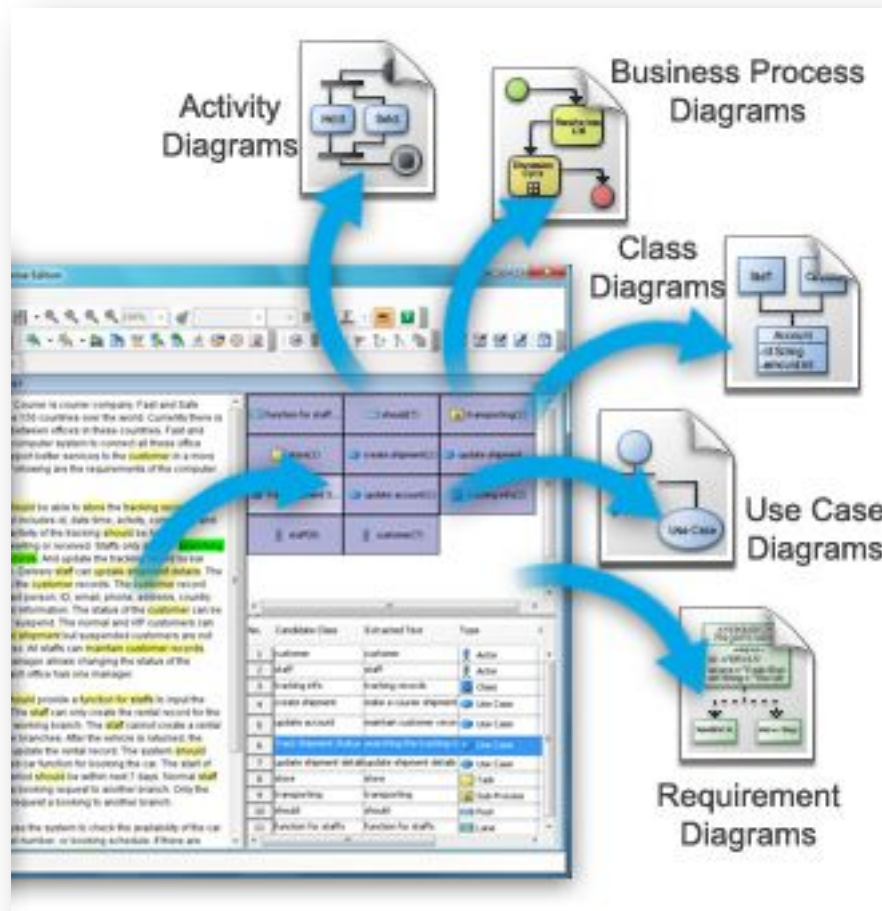
- взаимодействие между заказчиками и командой разработчиков
- понимание разрабатываемой системы
- сокращение расходов
- упрощение проектирования

С чего начать проектирование?

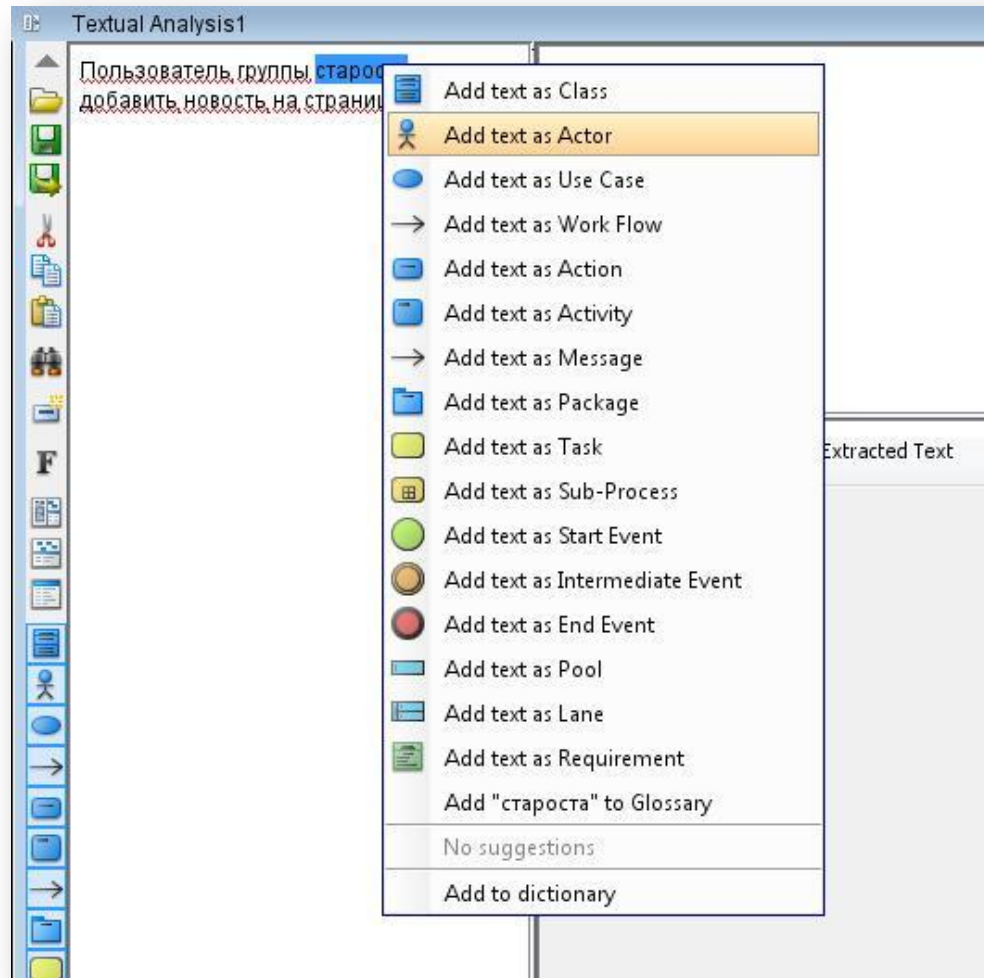
- Границы системы
- Требования к системе
- Пользователи системы
- Контекст системы
- Диаграммы прецедентов

**Как легко визуализировать
текстовое описание
системы?**

Текстуальный анализ



Текстуальный анализ



Генерация моделей

The screenshot illustrates the process of generating models in a software development environment. It is divided into three numbered steps:

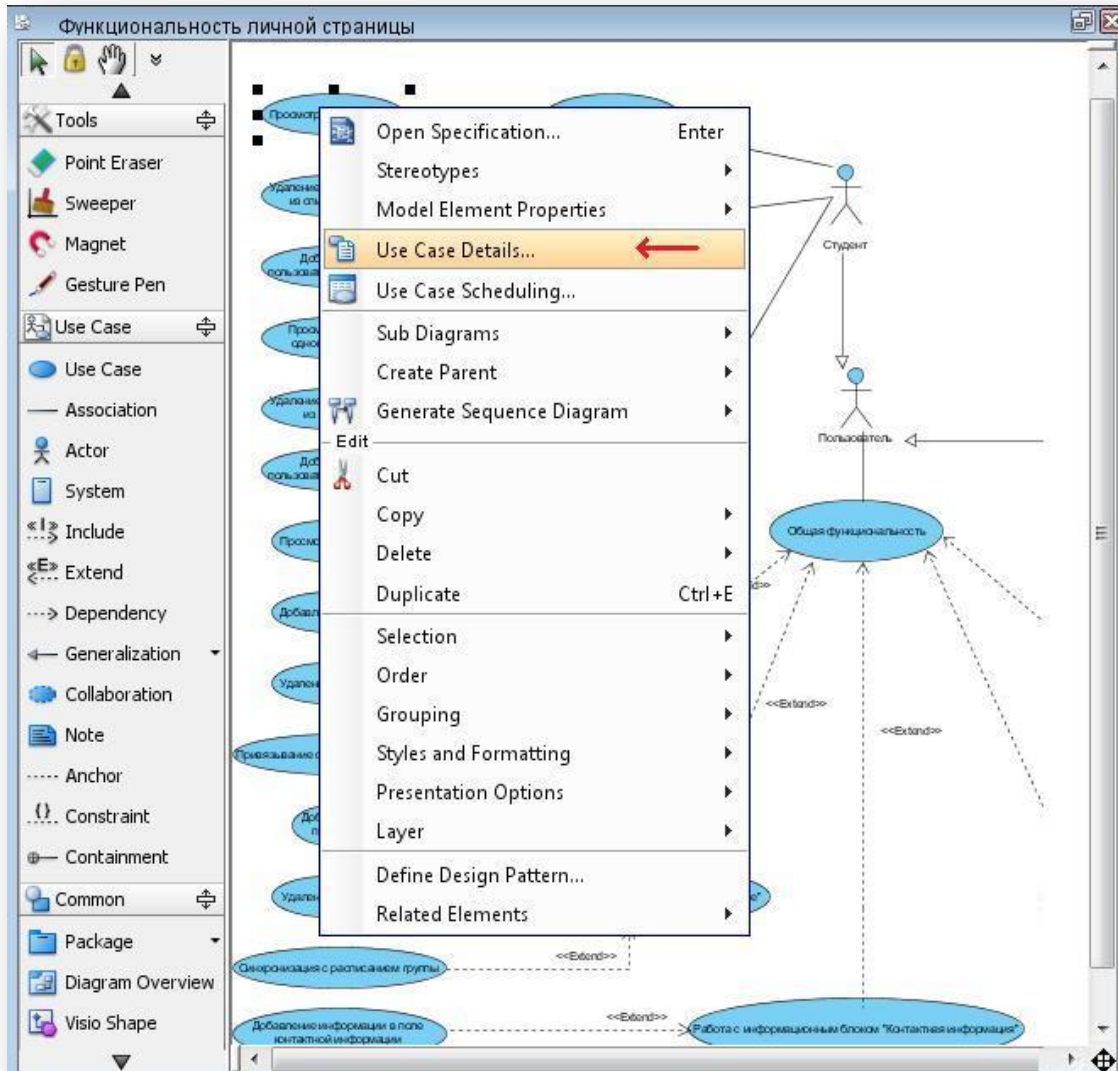
- Step 1:** A table of candidate classes is shown. The first row is selected, indicating the class to be processed.
- Step 2:** A context menu is open over the selected class, showing various modeling elements. The option "Create Actor Model Element" is highlighted, indicating the action being performed.
- Step 3:** The Model Explorer window shows the resulting model structure. The actor "Староста" is now part of the model, and its associated elements are visible.

No.	Candidate Class	Extracted Te
1	Староста	староста
2	Добавление новости	добавить но
3	Страница группы	страницу гру

Model Explorer contents:

- Редактирование новостей
- Редактирование новости
- Редактирование обсуждения
- Редактирование содержания модуля "Оцен
- Синхронизация с расписанием группы
- Создание категории файлов
- Создание новой категории
- Создание обсуждения
- Староста (Actor)
- Староста (Class)
- Страница группы (Actor)
- Страница группы (Class)
- Студент (Actor)

Use Case диаграмма



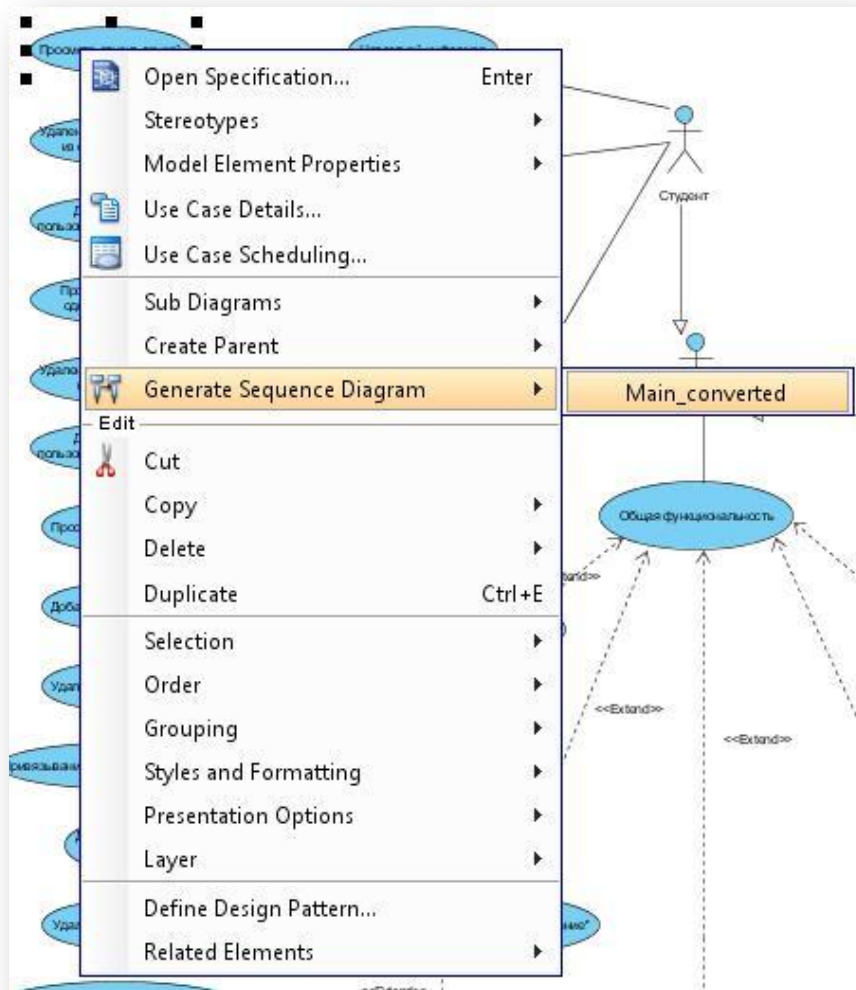
Описание диаграммы

The image displays a software application interface with two overlapping windows. The background window, titled "Просмотр списка друзей Details", shows a table with the following data:

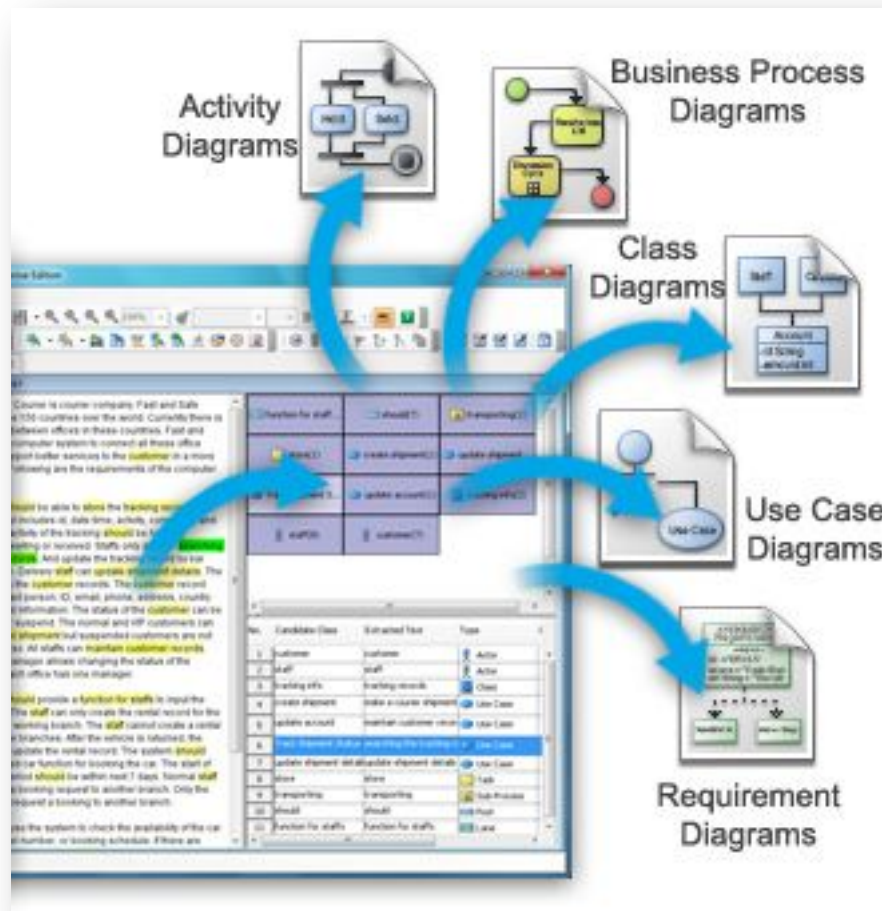
ID	2
Название	Просмотр списка друзей
Участники	Студент, Система
Предусловие	Пользователь категории "Студент"
Ресурсы	Выходная документация

The foreground window, also titled "Просмотр списка друзей Details", has the "References" tab selected. It features a toolbar with icons for navigation and editing. Two icons are highlighted with red boxes and numbered 1 and 2. A "Select Diagram" dialog box is open in the foreground, showing a tree view of diagrams. The "Sequence Diagram (56)" folder is selected. A "Preview" section on the right shows a dark gray area, with a red box and the number 3 highlighting the "Show preview" checkbox. The dialog box has "OK", "Cancel", and "Apply" buttons.

Диаграмма последовательности

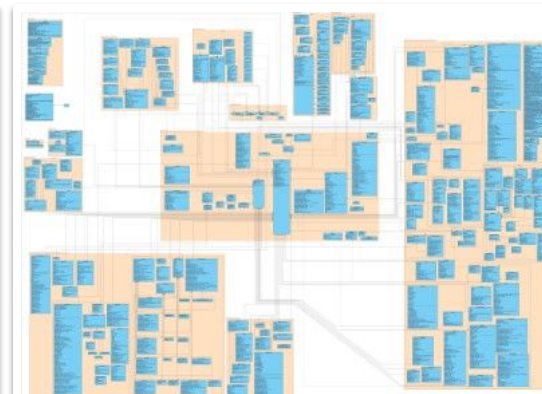
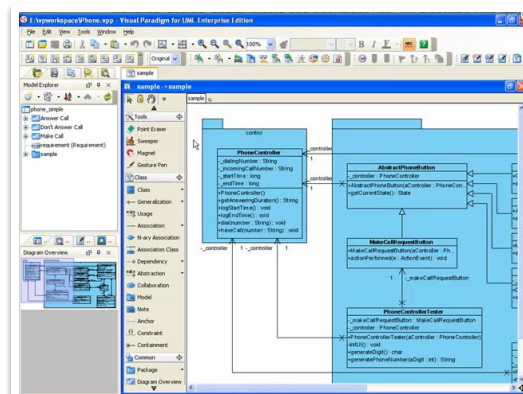
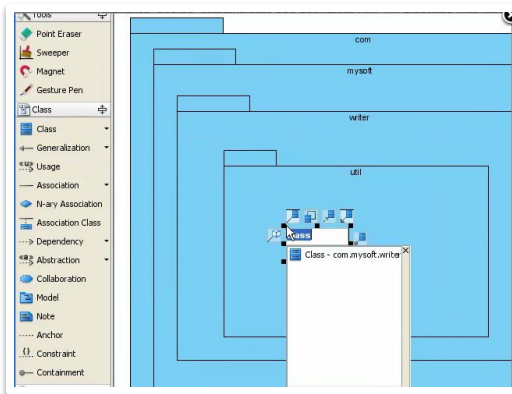
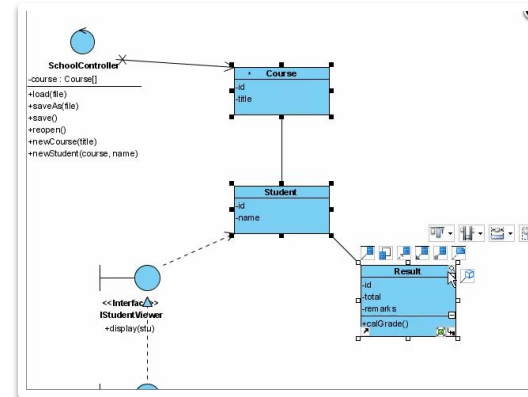
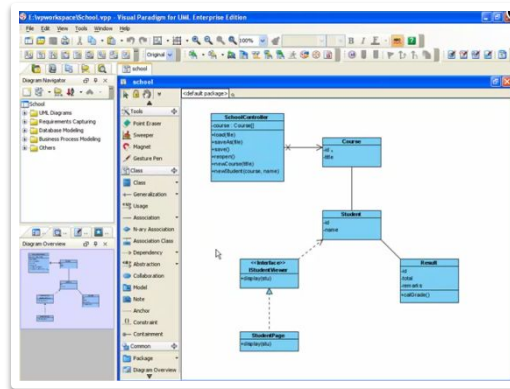
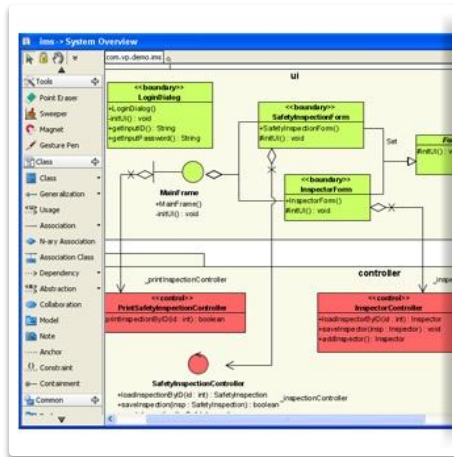


Текстуальный анализ

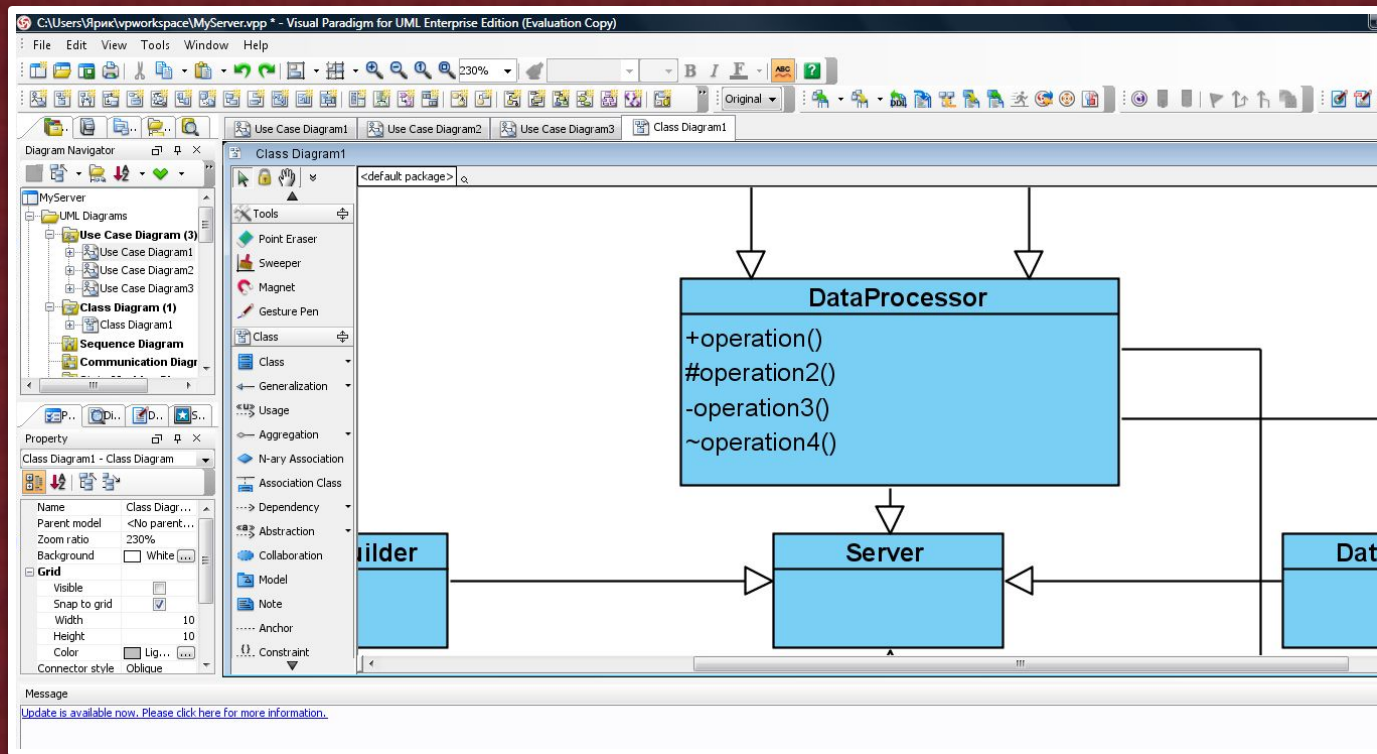


Class Modeling

от идеи к реализации

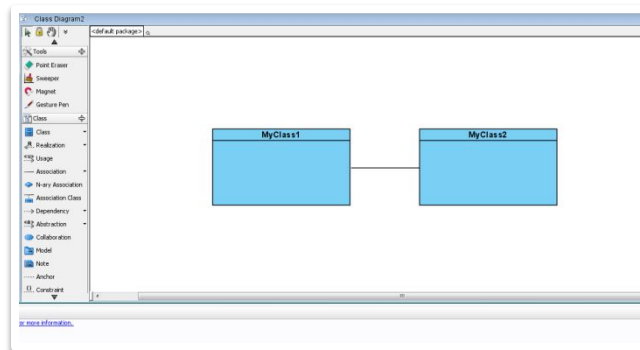


Видимость

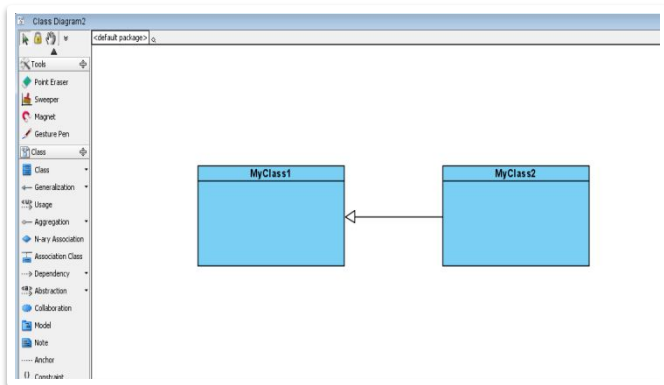


Отношения

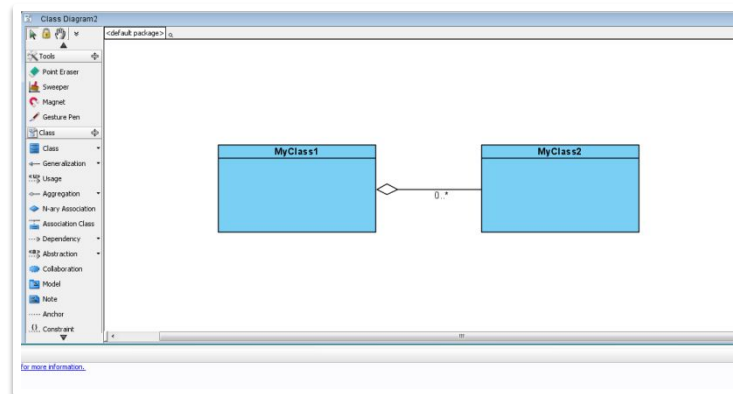
Ассоциация



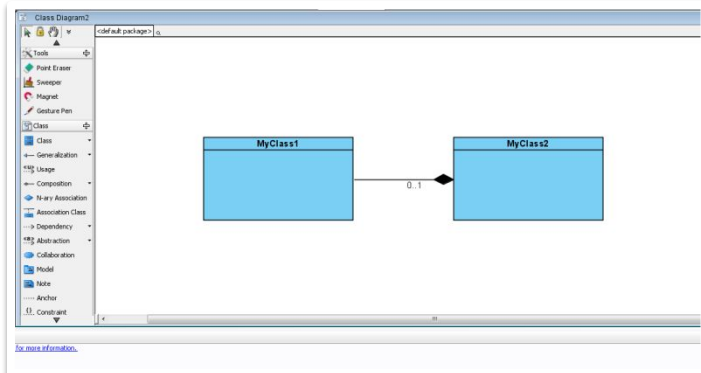
Обобщение



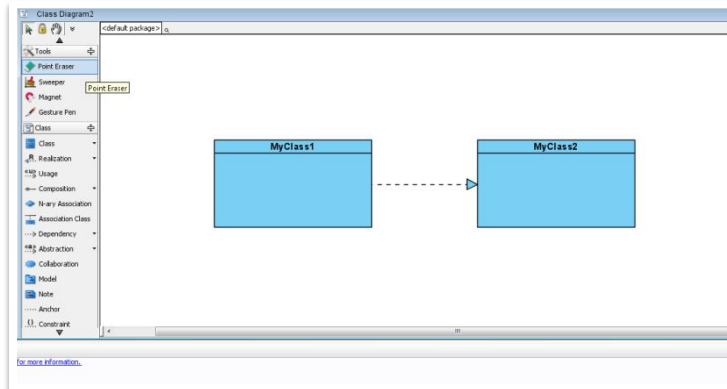
Агрегация



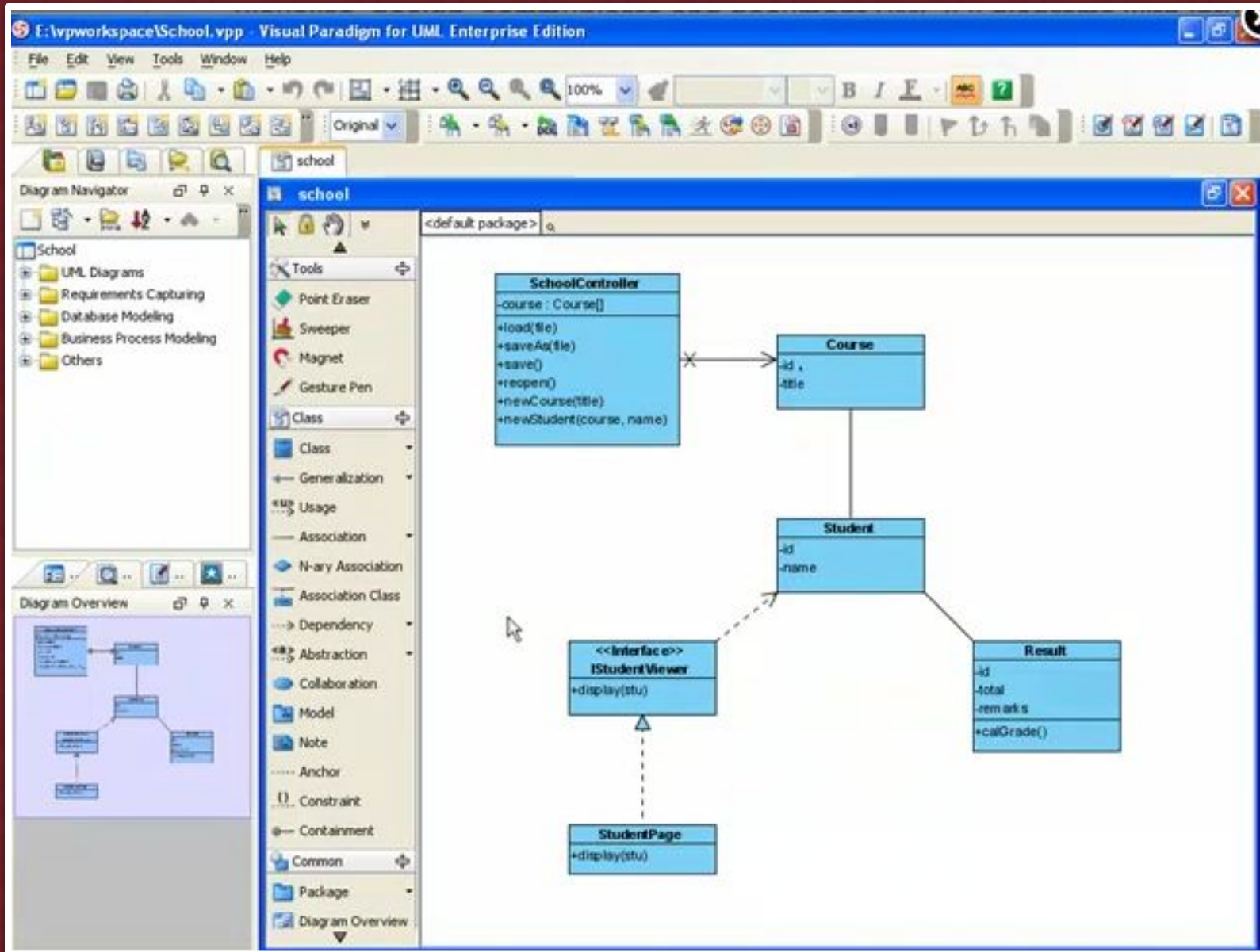
Композиция



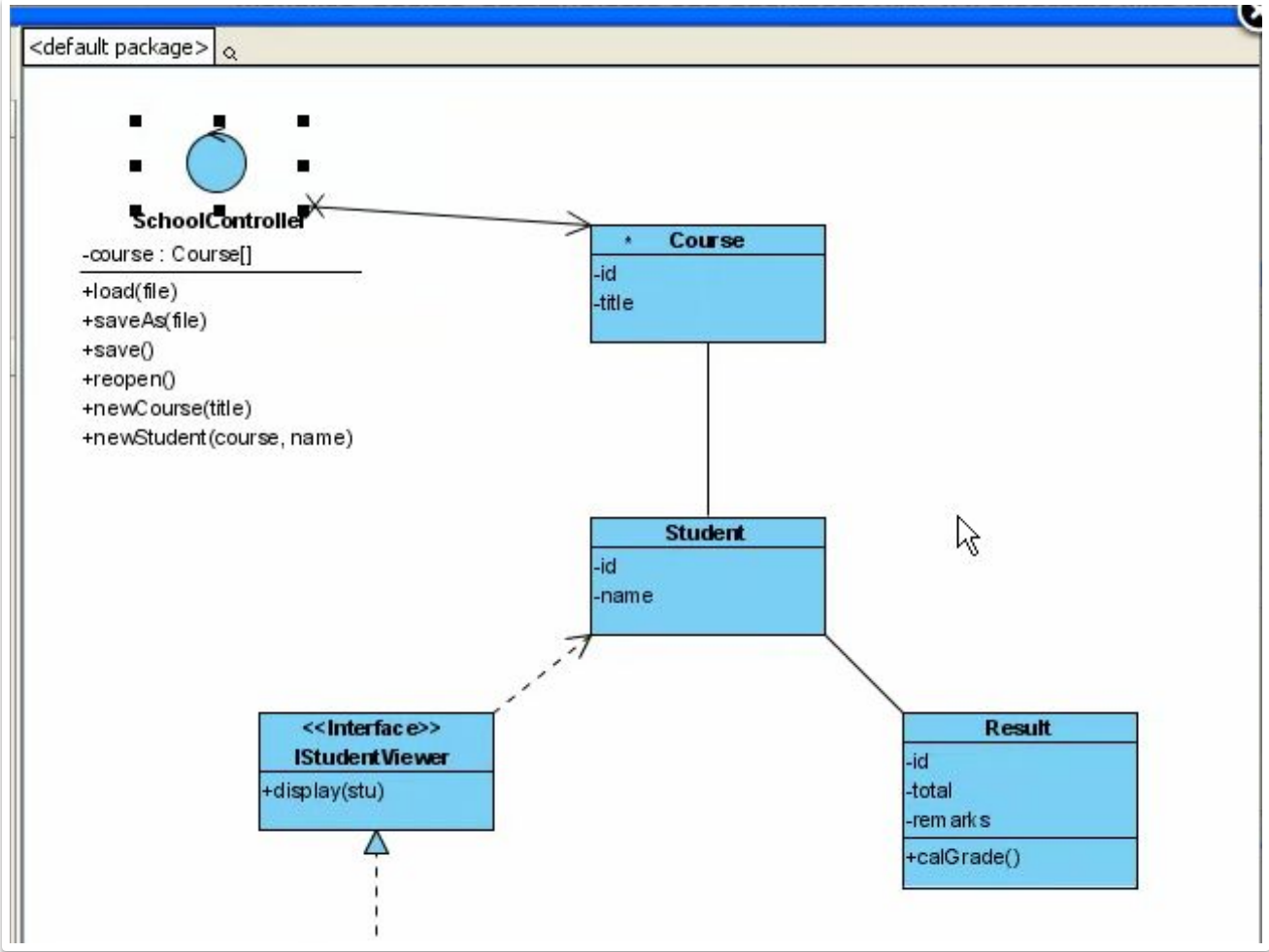
Реализация



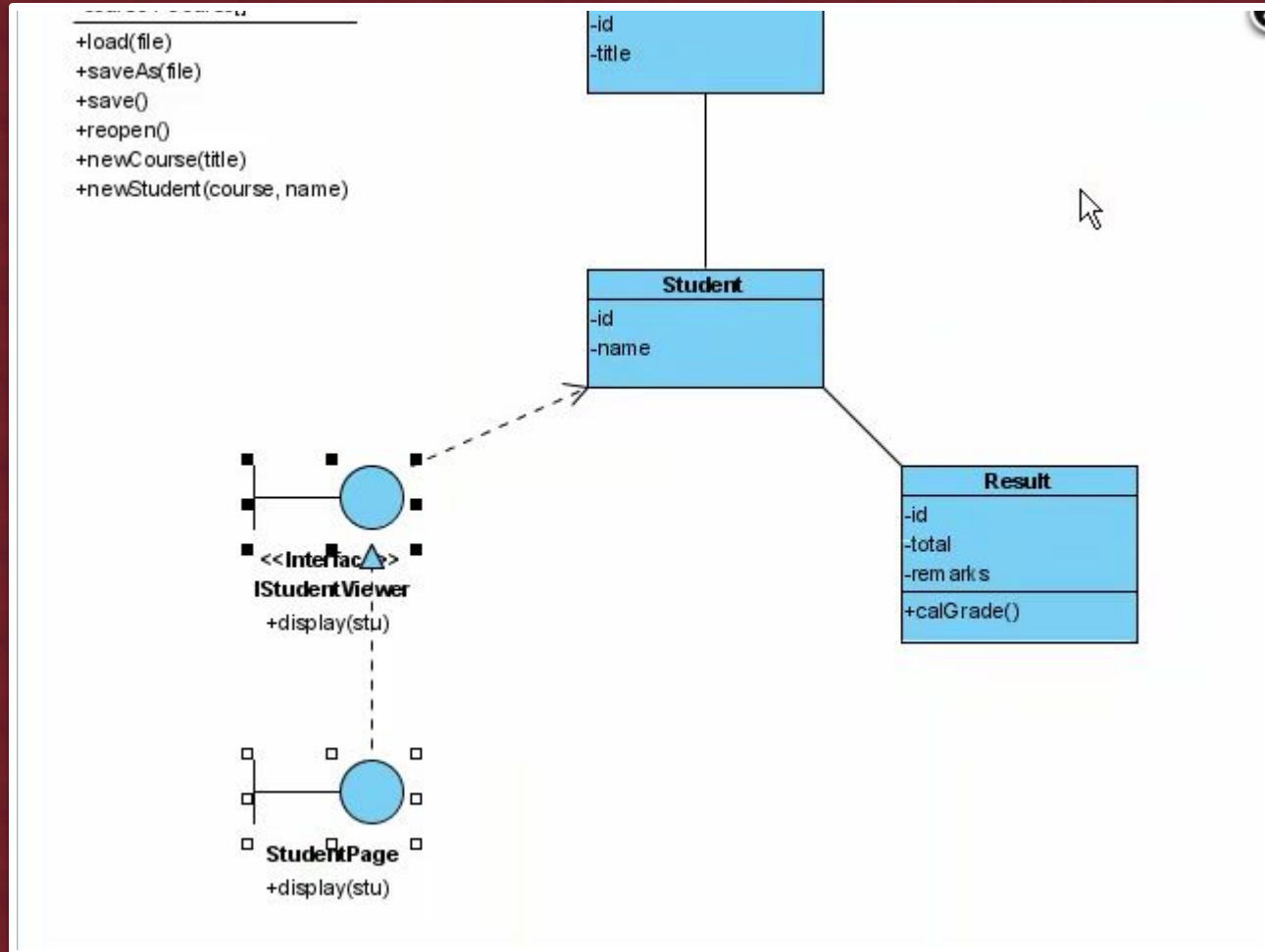
Стереотипы



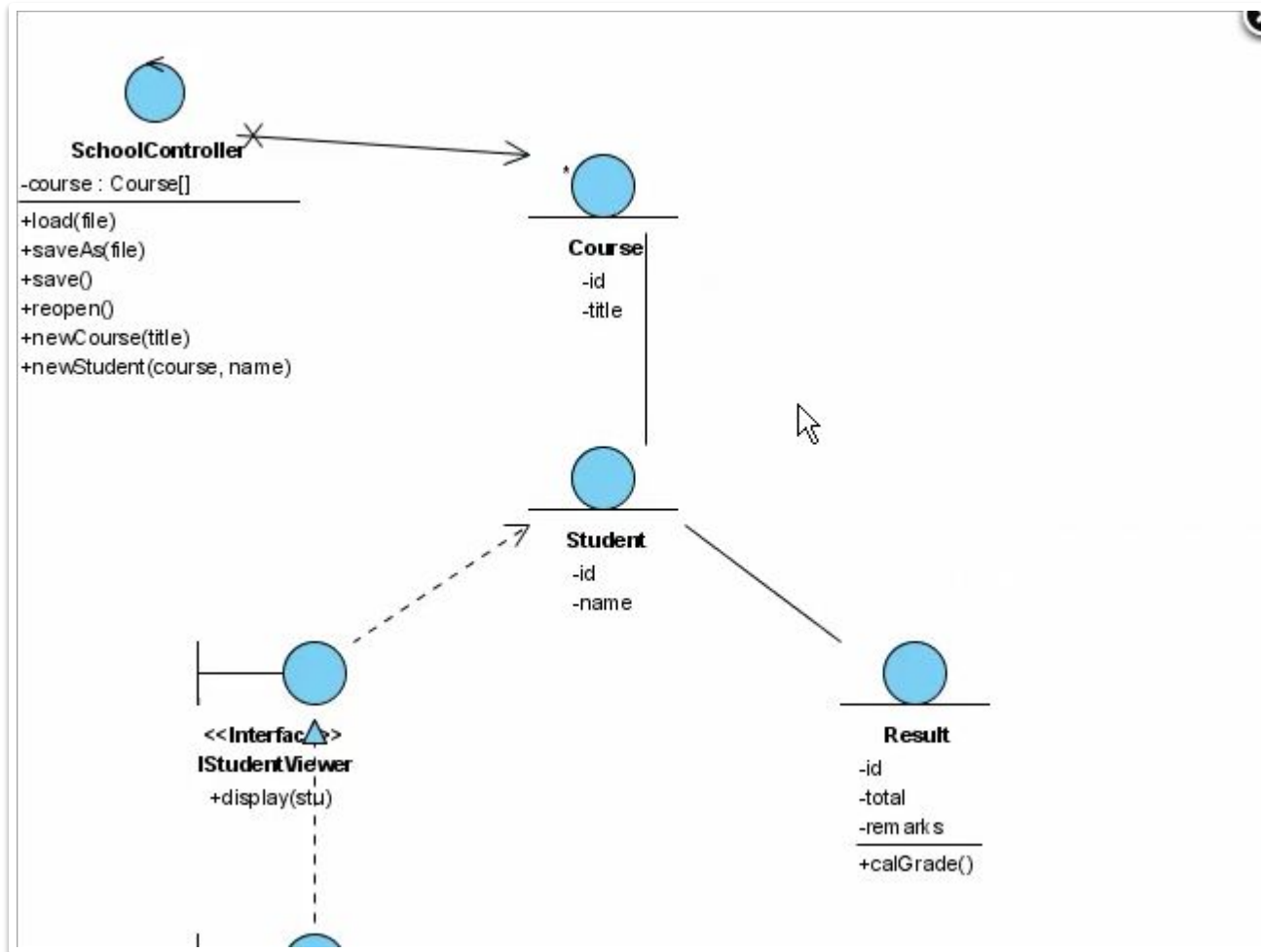
Controller



Boundries

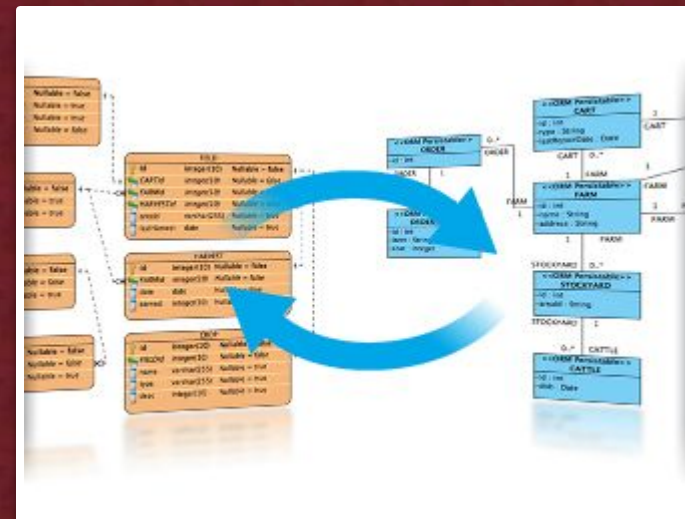
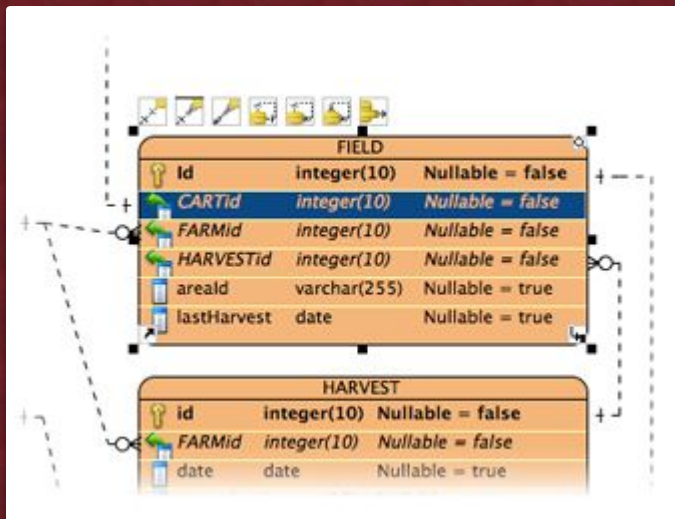
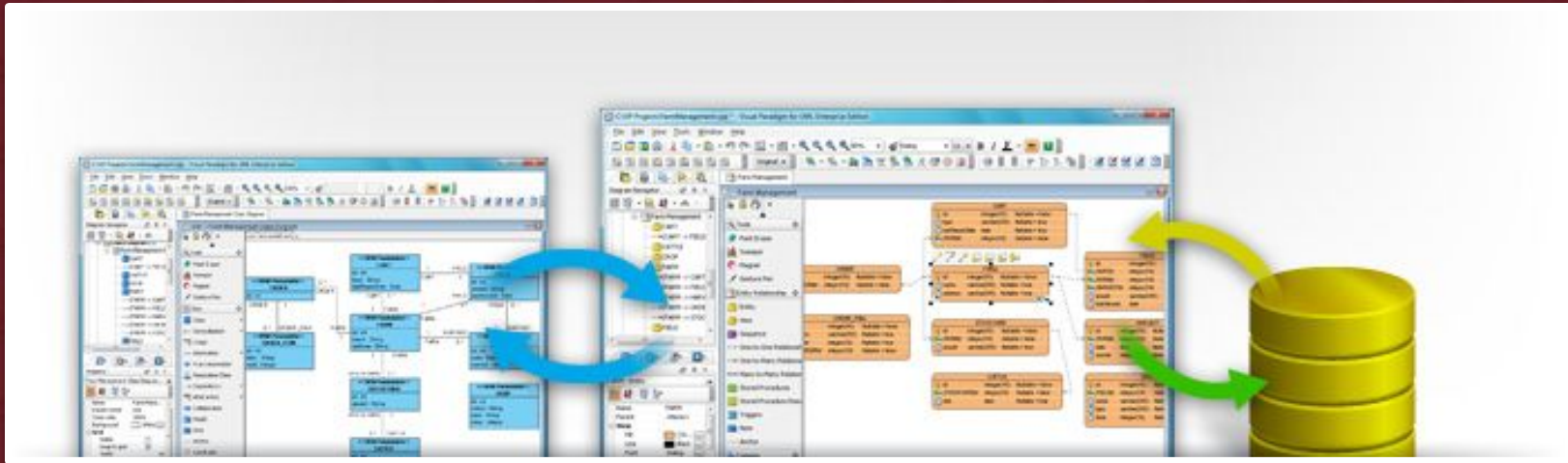


Entity

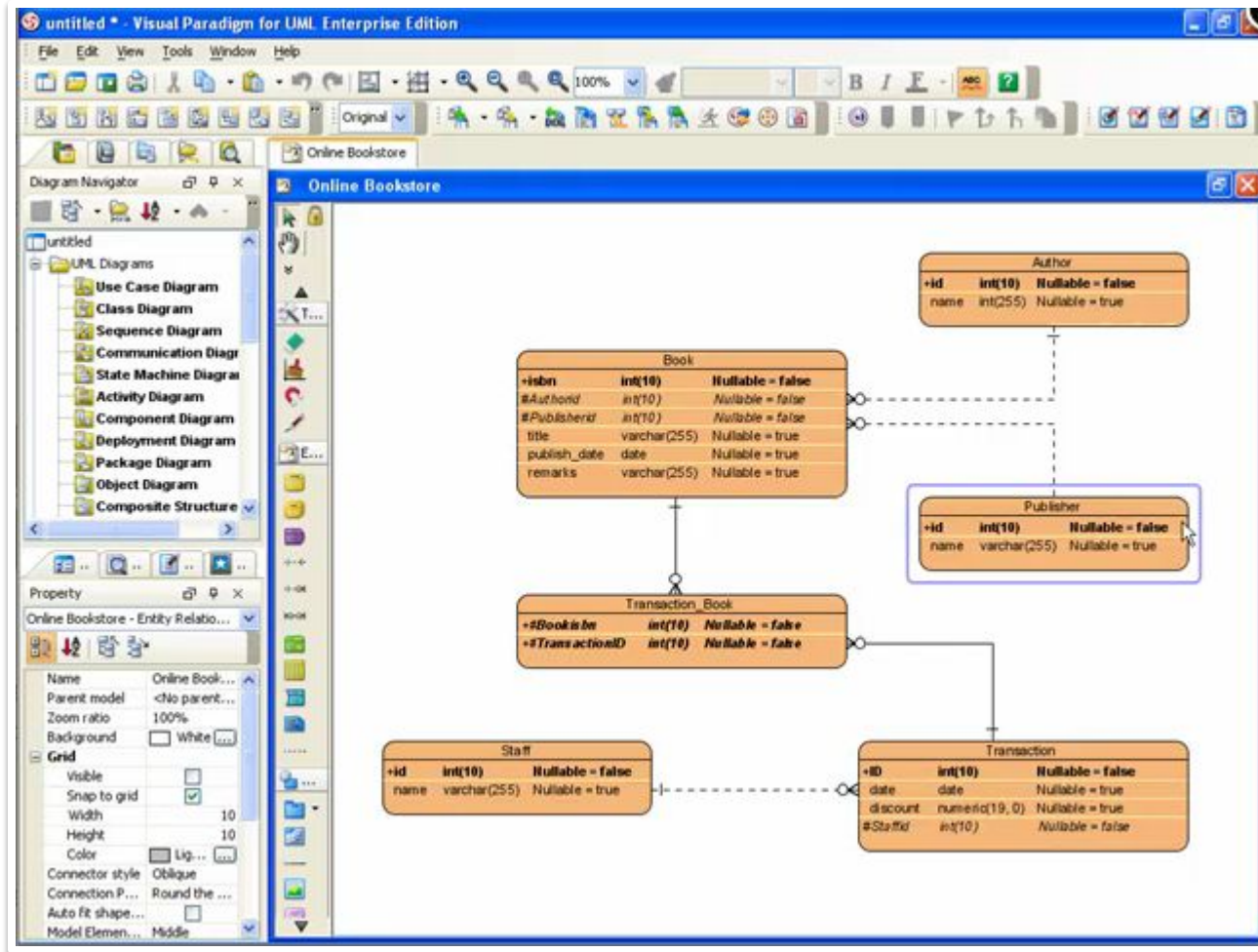


ERD

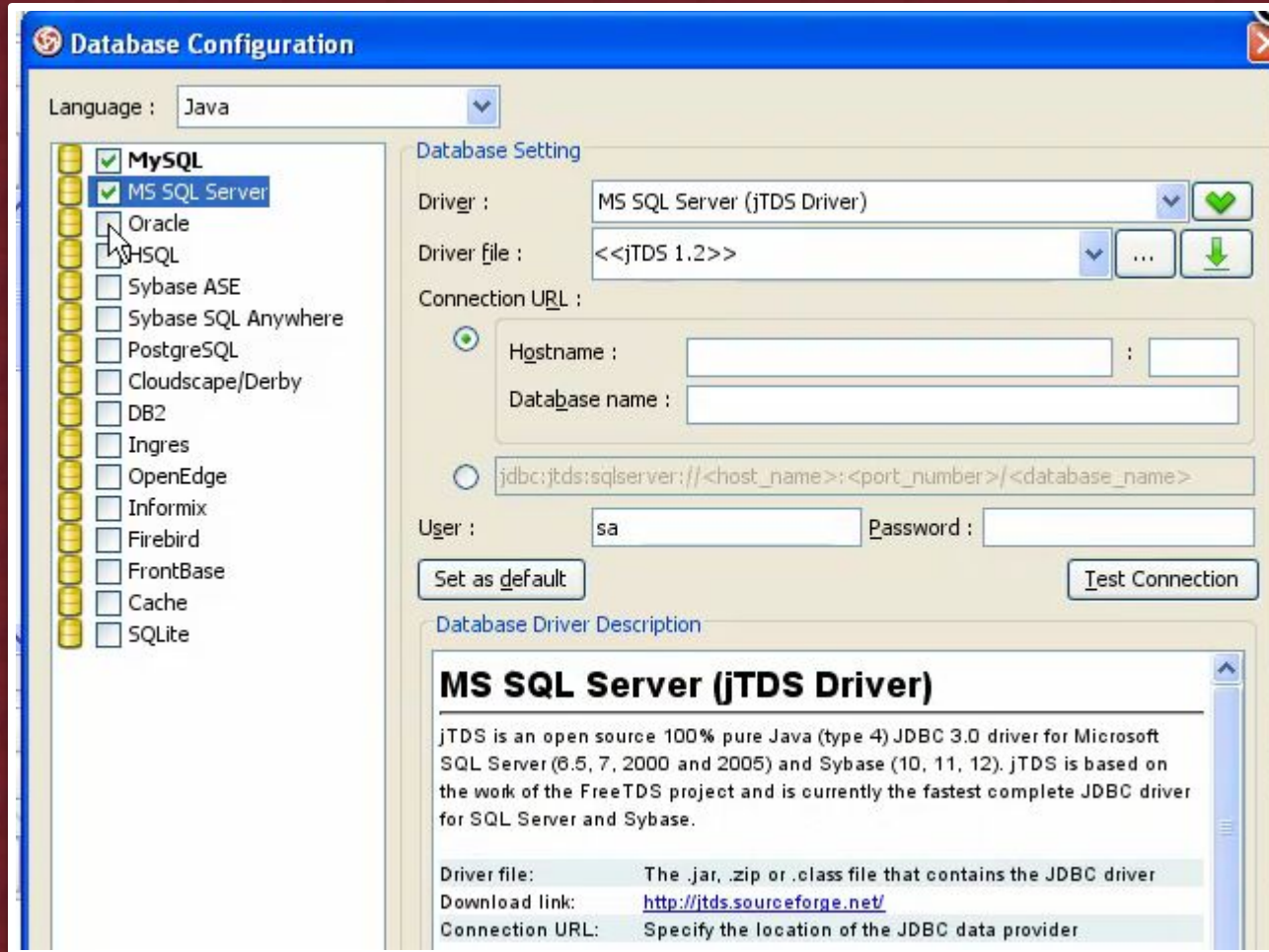
Entity relationship diagram



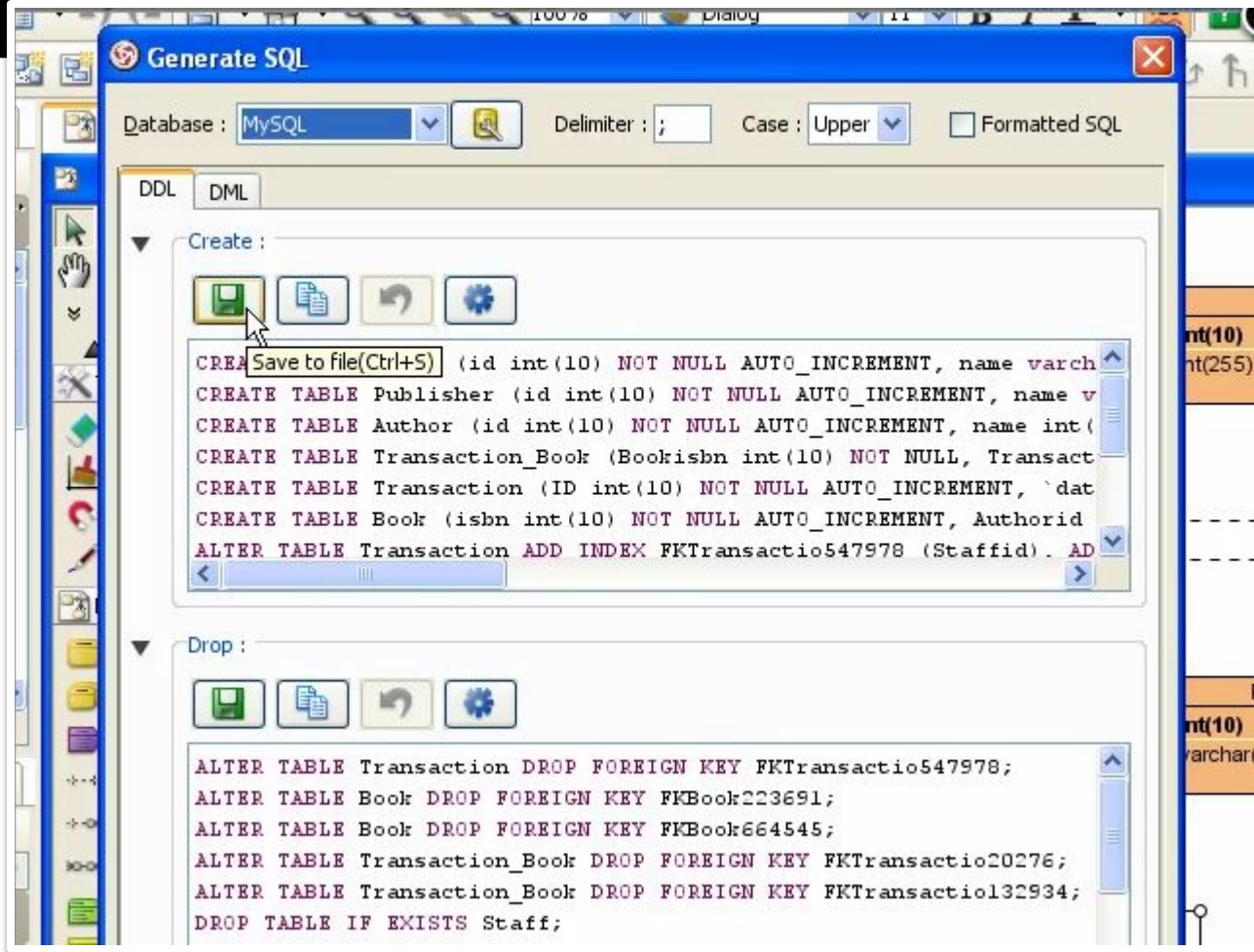
ERD



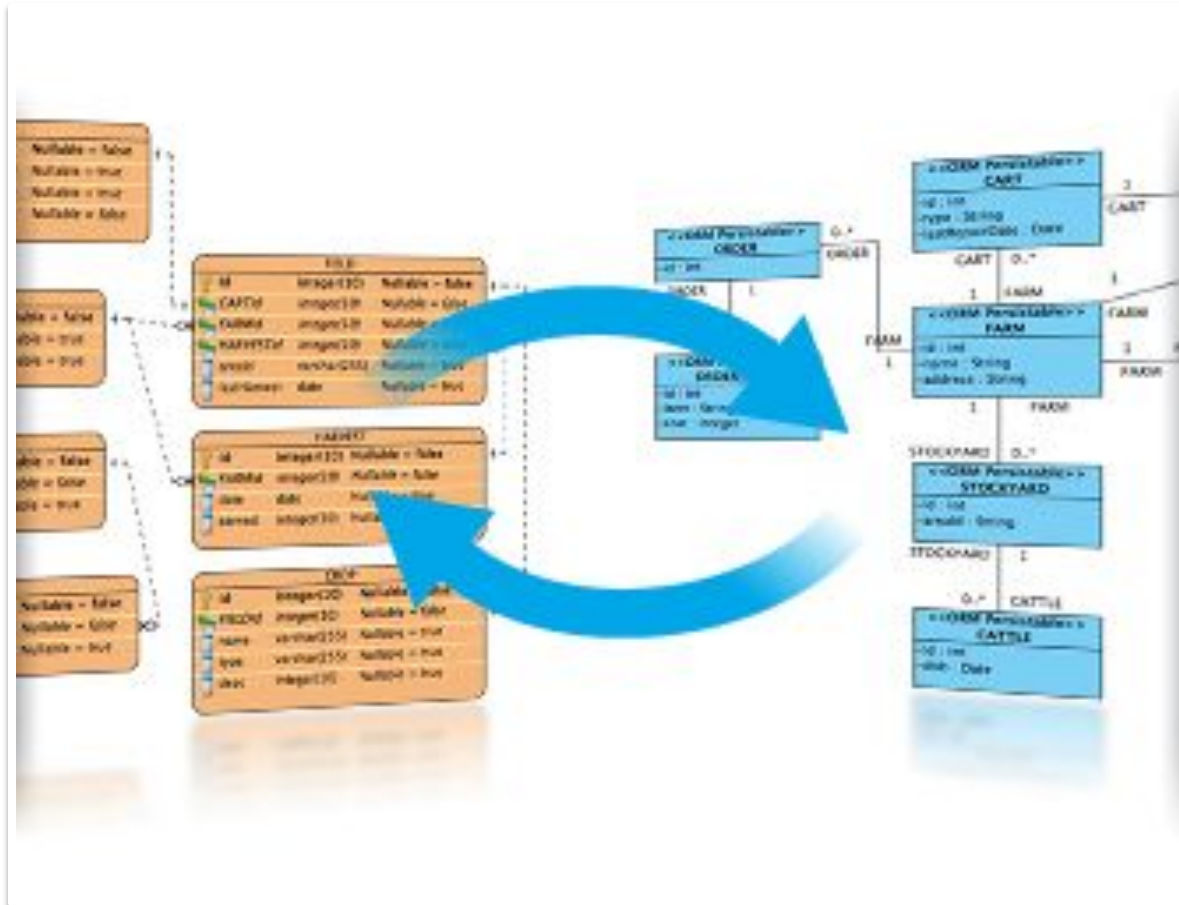
ERD – B SQL



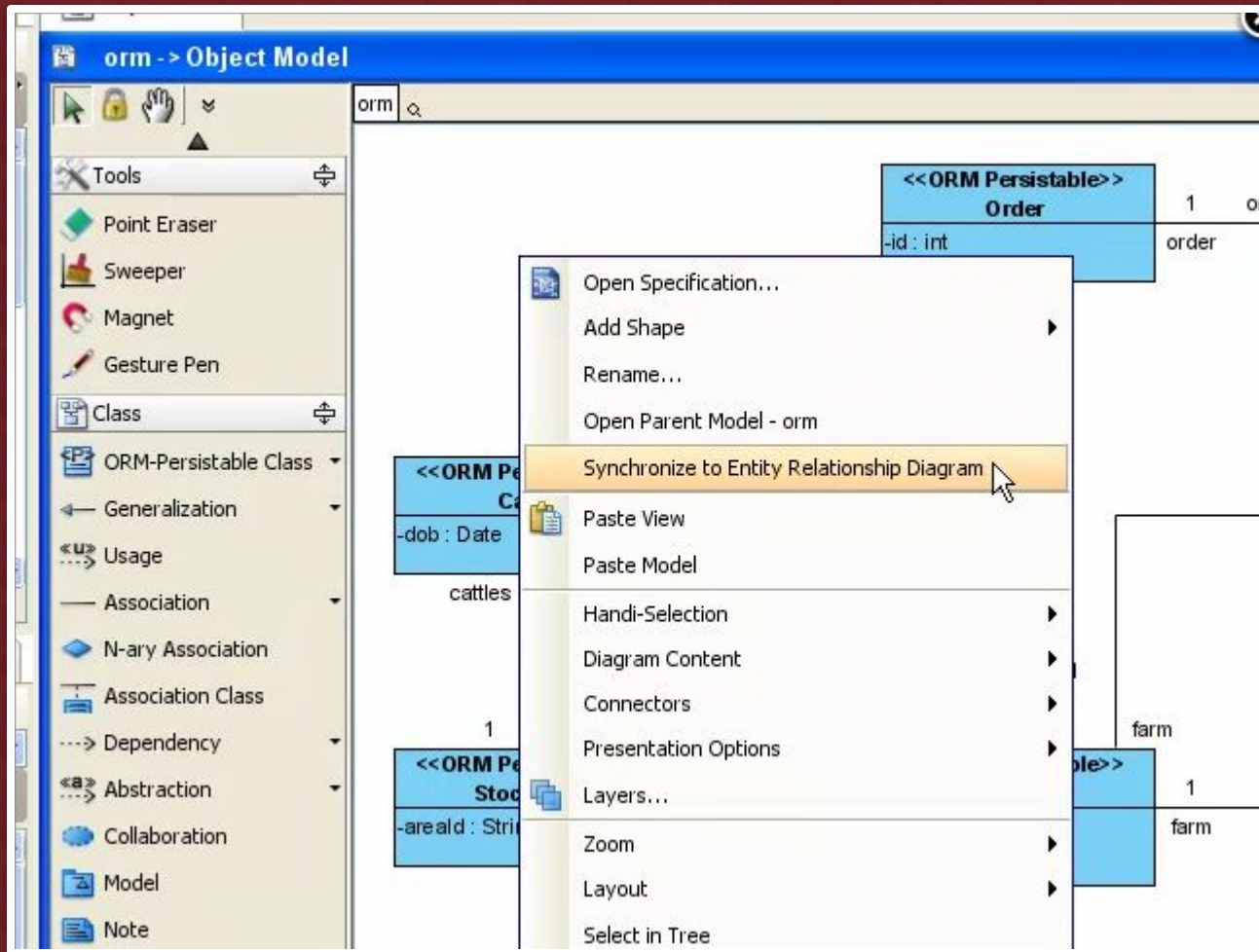
ERD – B SQL



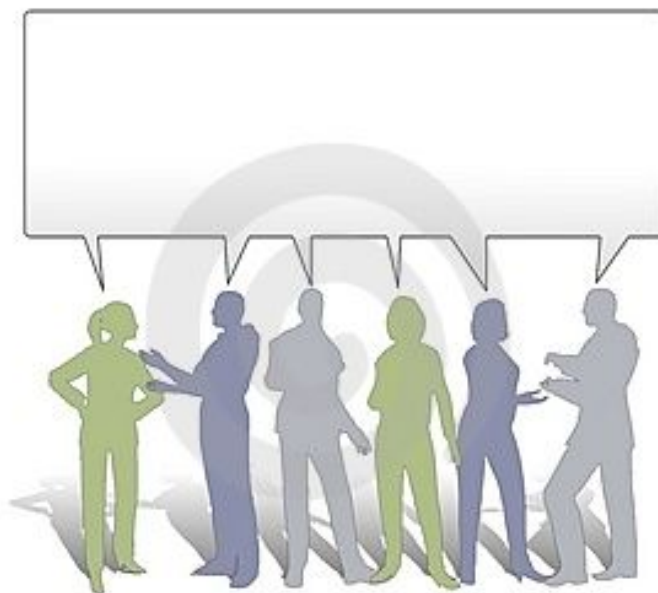
Синхронизация Class Diagram в ERD



Синхронизация Class Diagram в ERD

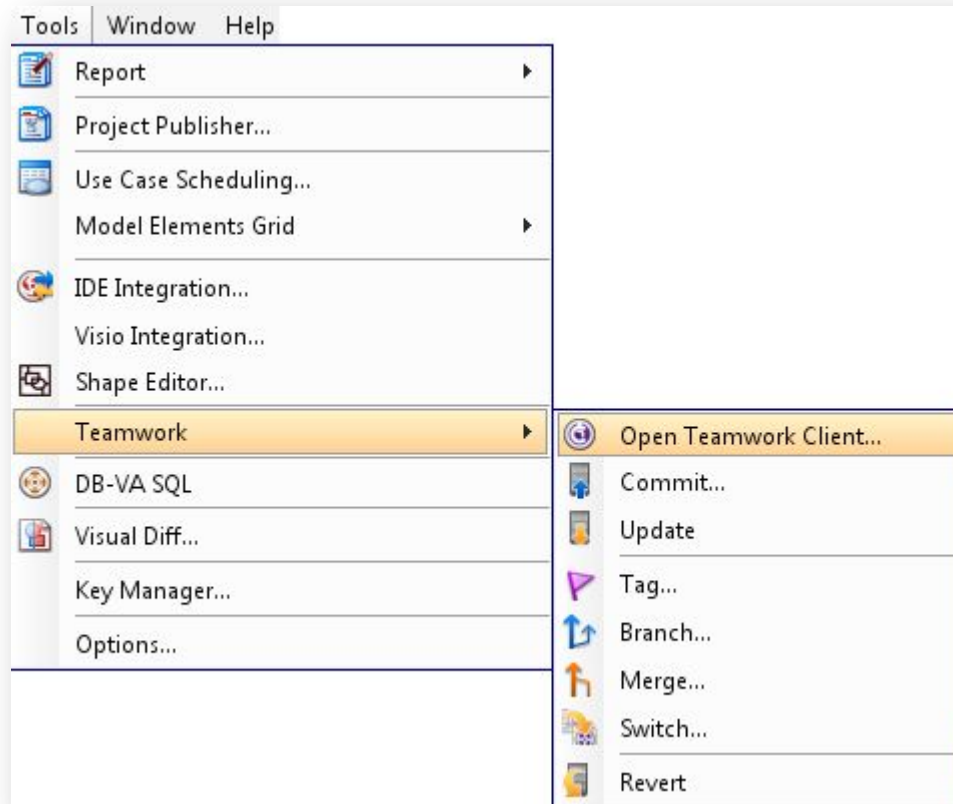


Работа командой



- Синхронизация
- Просмотр истории
- Устранение конфликтов
- Откат результатов

VP Teamwork Client

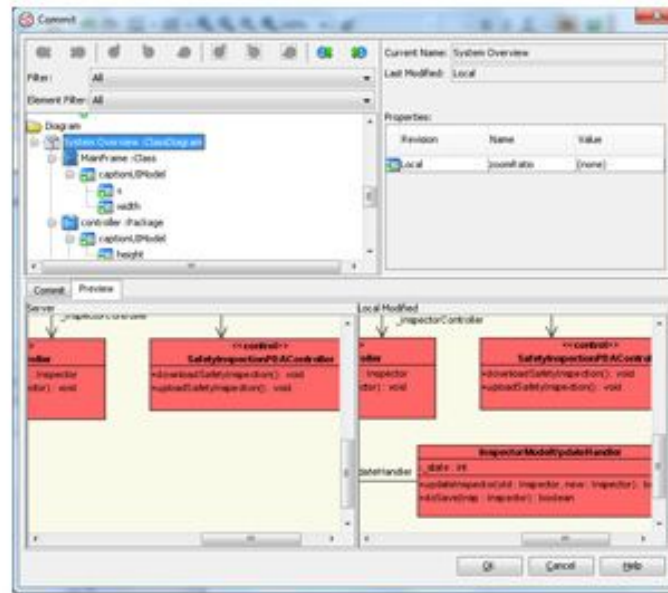


VP Teamwork Client



- **Синхронизация**
- Просмотр истории
- Устранение конфликтов
- Откат результатов

VP Teamwork Client



- Синхронизация
- **Просмотр истории**
- Устранение конфликтов
- Откат результатов

VP Teamwork Client



- Синхронизация
- Просмотр истории
- **Устранение конфликтов**
- Откат результатов

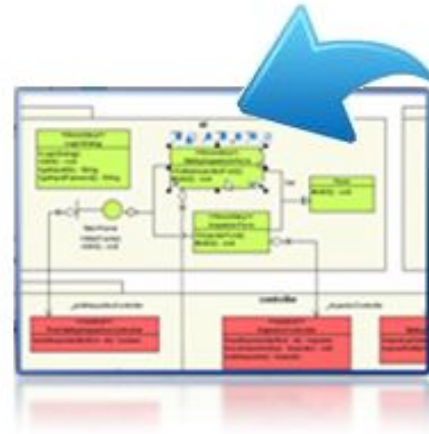
VP Teamwork Client

The screenshot displays the 'Commit' dialog box in the VP Teamwork Client. The window title is 'Commit'. It features a toolbar at the top with various icons. Below the toolbar, there are two filter dropdowns: 'Filter: All' and 'Element Filter: All'. A tree view on the left shows the project structure under 'Diagram', including 'Функциональность личной страницы :UseCaseDiagram', 'Общая функциональность :UseCase', 'captionUIModel', and ':Association'. To the right of the tree view, a table displays property information:

Property Name:	y
Current Value:	480
Original Value:	470
Last Modified:	Local

At the bottom of the dialog, there are two tabs: 'Commit' and 'Preview'. The 'Preview' tab is active, showing two side-by-side diagrams. The left diagram, titled 'Server: Общая функциональность', shows a Use Case Diagram with a central use case 'Общая функциональность' and several actors: 'информационный специалист', 'Пользователь', and 'информационный блок "ToDoList"'. The right diagram, titled 'Local Modified', shows the same diagram but with additional modifications, including a new actor 'Пропорциональщик' and several new use cases: 'Добавление файла', 'Расчет задний', 'Работа с информацией в окне "Структура"', and 'Управление информацией'. Both diagrams use dashed lines to indicate 'Extend' relationships. At the bottom right of the dialog, there are three buttons: 'OK', 'Cancel', and 'Help'.

VP Teamwork Client



- Синхронизация
- Просмотр истории
- Устранение конфликтов
- **Откат результатов**

VP Teamwork Client

The image displays the VP Teamwork Client interface, which includes a file explorer on the left and several overlapping class diagram windows on the right. The file explorer shows a folder named '200709' containing various files, including Visual Paradigm Project (VPP) files and DIF files. The class diagrams show the evolution of a software model across different revisions.

File Explorer (Left):

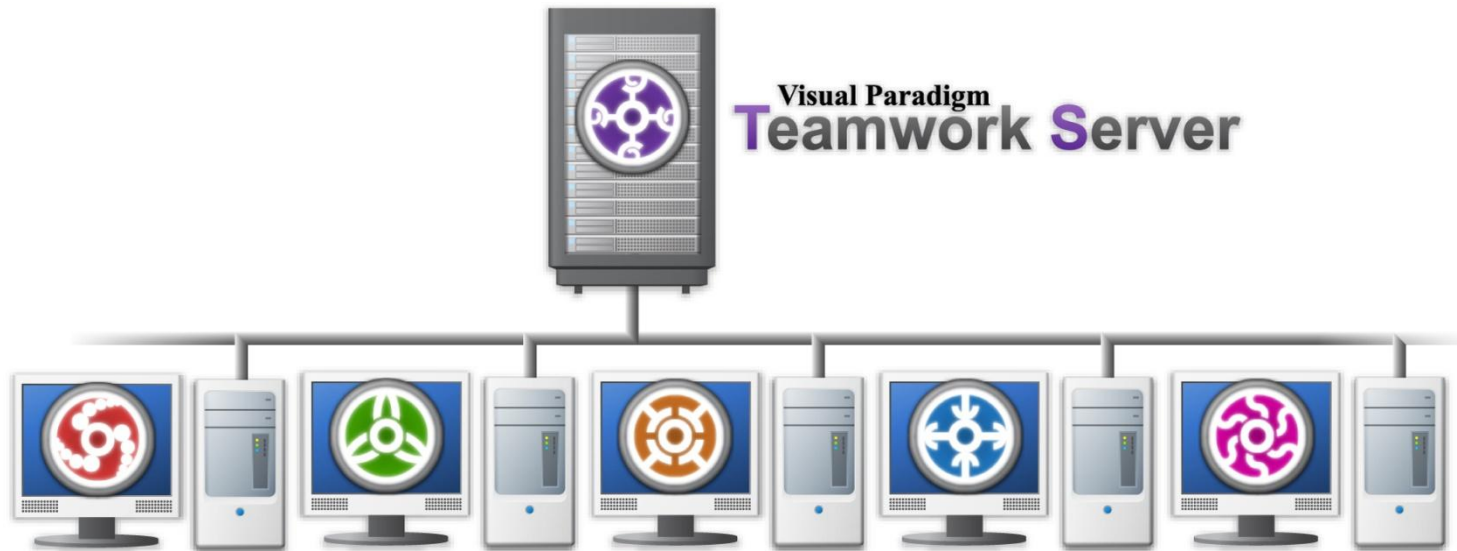
- File and Folder Tasks
- Other Places: ViewAndModel, My Documents, Shared Documents, My Computer, My Network Places
- Details: 200709 File Folder, Date Modified: Today, September
- Files:
 - ViewAndModel.v3.dif (DIF File, 10 KB)
 - ViewAndModel.v3.vpp (Visual Paradigm Project, 17 KB)
 - ViewAndModel.v6.mmh (MMH File, 16 KB)
 - ViewAndModel.v12.dif (DIF File, 19 KB)
 - ViewAndModel.v12.vpp (Visual Paradigm Project, 45 KB)

Class Diagrams (Right):

- Revision 3:** Shows a class diagram with a 'Model' class and a 'View' class. The 'Model' class has attributes 'name: String', 'getFullName(): String', and 'setFullName(name: String): void'. The 'View' class has methods 'render(): void' and 'getBounds(): Rectangle'. It is associated with 'Revision 1' and 'Revision 2'.
- Revision 6:** Shows a more complex class diagram with 'Model' and 'View' classes. The 'Model' class has a 'parent' attribute and a 'Model' association. The 'View' class has a 'View' association. It is associated with 'Revision 1', 'Revision 2', 'Revision 3', 'Revision 4', 'Revision 5', and 'Revision 7'.
- Revision 12:** Shows a class diagram with 'Model' and 'View' classes. The 'Model' class has a 'parent' attribute and a 'Model' association. The 'View' class has a 'View' association. It is associated with 'Revision 1', 'Revision 2', 'Revision 3', 'Revision 4', 'Revision 5', 'Revision 7', 'Revision 8', 'Revision 9', and 'Revision 10'.

Red dashed arrows indicate the flow of updates from the file explorer to the class diagrams, showing the progression from Revision 3 to Revision 6 and then to Revision 12.

VP Teamwork Server



Генерация документации

- PDF
- MS Word 2007
- HTML

Шаблон документа

Report Template

Name: New Template

Diagram Loop (Use Case Scheduling)

Diagram Loop (UseCaseDiagram)

Diagram Image

Element Loop (Actor)

Element Loop (Use Case)

- Basics
- Statics
- Use Cases
 - Actor
 - Use Case
- Interactions
- Activities
- State Machines
- Implements
- Composite Structures
- Object-Relational Mapping
- Business Process Modeling Notation
- Event-driven Process Chain Diagram
- Process Map Diagram
- Organization Chart

Use Case

Preview

Diagram Loop (Use Case Scheduling)

Use Case Scheduling

Diagram Loop (UseCaseDiagram)

Use Case Diagram

Use Case Diagram1

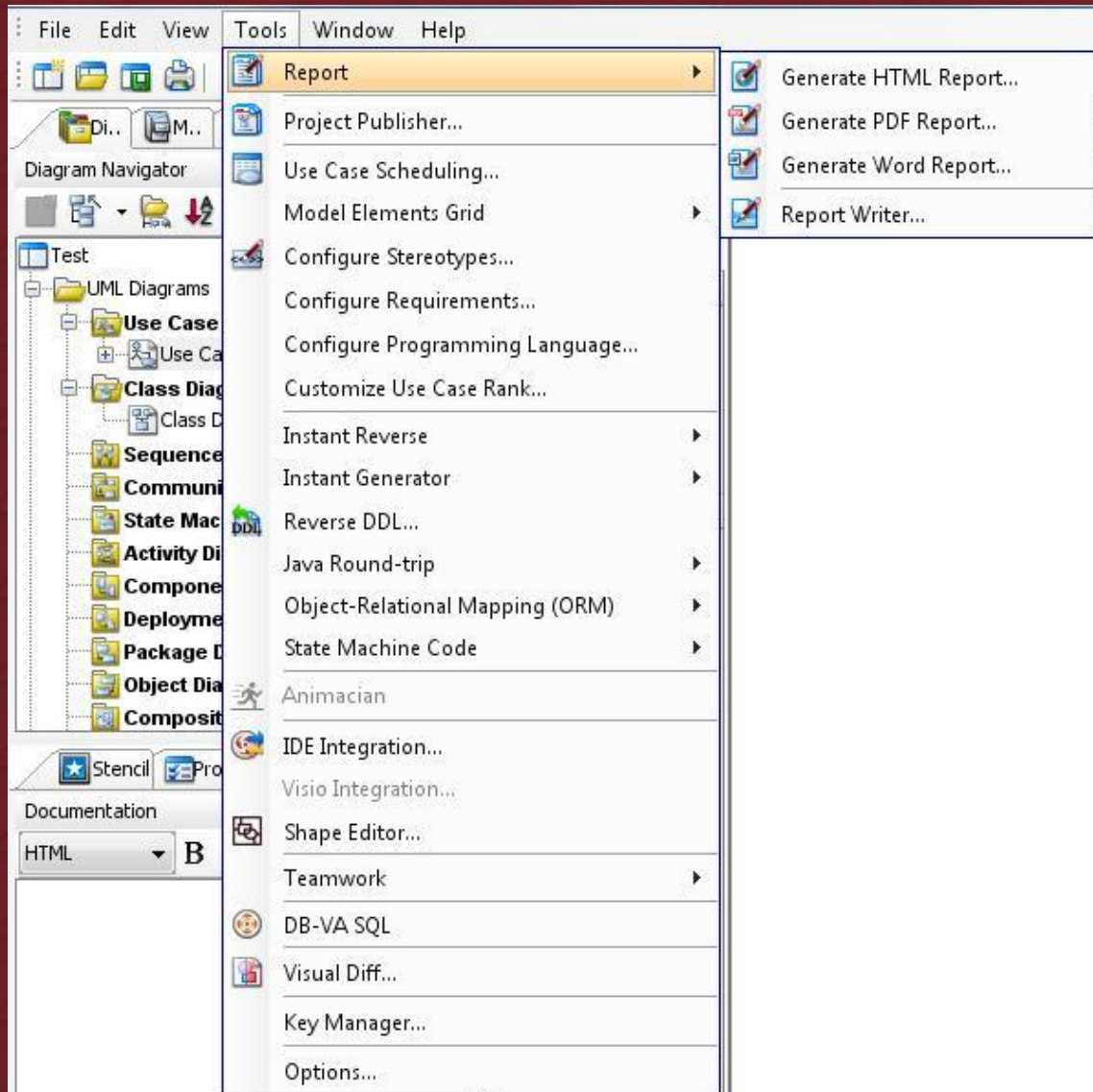
Actor2

Visual Paradigm for Enterprise Edition (evaluation) for UML, Er

This dialog box is for preview only. The documentation content, page number and margin may be different in generated report.

Close

Публикация документов на веб-сервере



Разработка кода и UML- модели

- UML->код
- Код->UML
- Синхронизация кода и UML для Java

Интеграция

- NetBeans
- Eclipse
- IntelliJ IDEA

Спасибо!

