Rational Software

Payroll System Subsystem Design Solution

Version 2003

Revision History

Date	Issue	Description	Author
09/01/2000	V2000	Generated for beta	Shawn Siemers
10/03/2000	V2000	Final release	Shawn Siemers
01/14/2003	V2003	Final Release	Alex Kutsick

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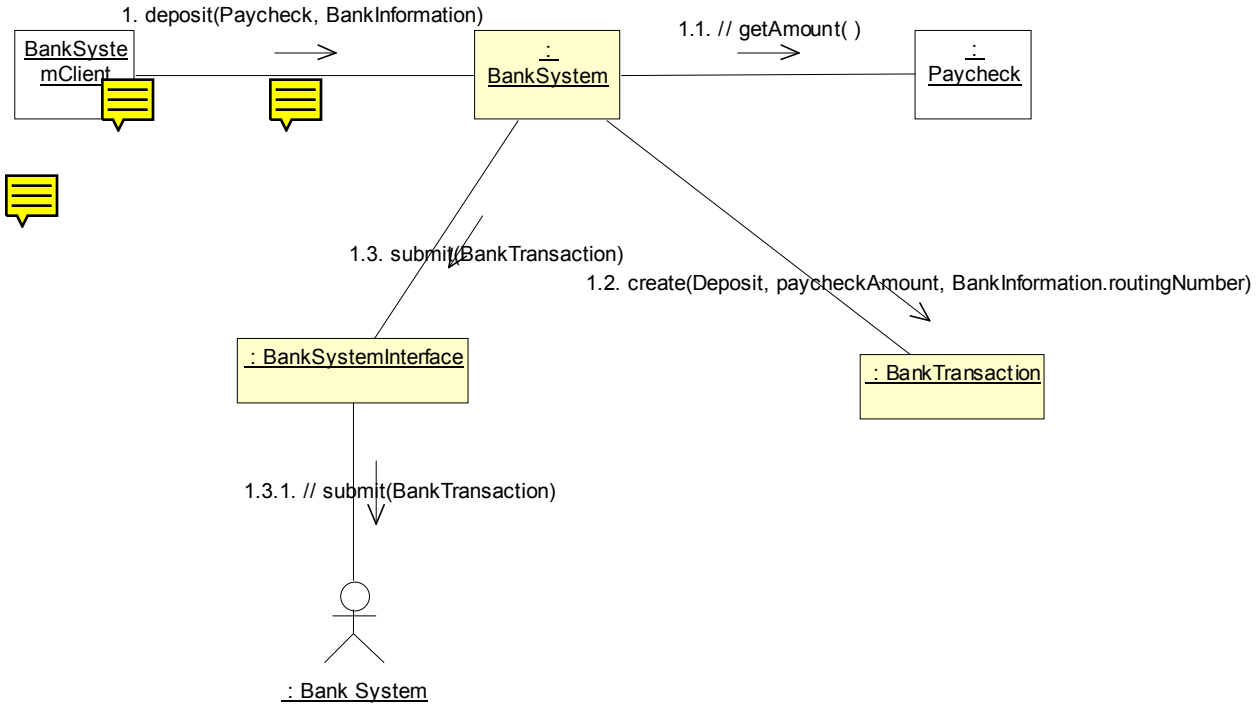
Payroll System Subsystem Design Solution

1. Exercise: Subsystem Design

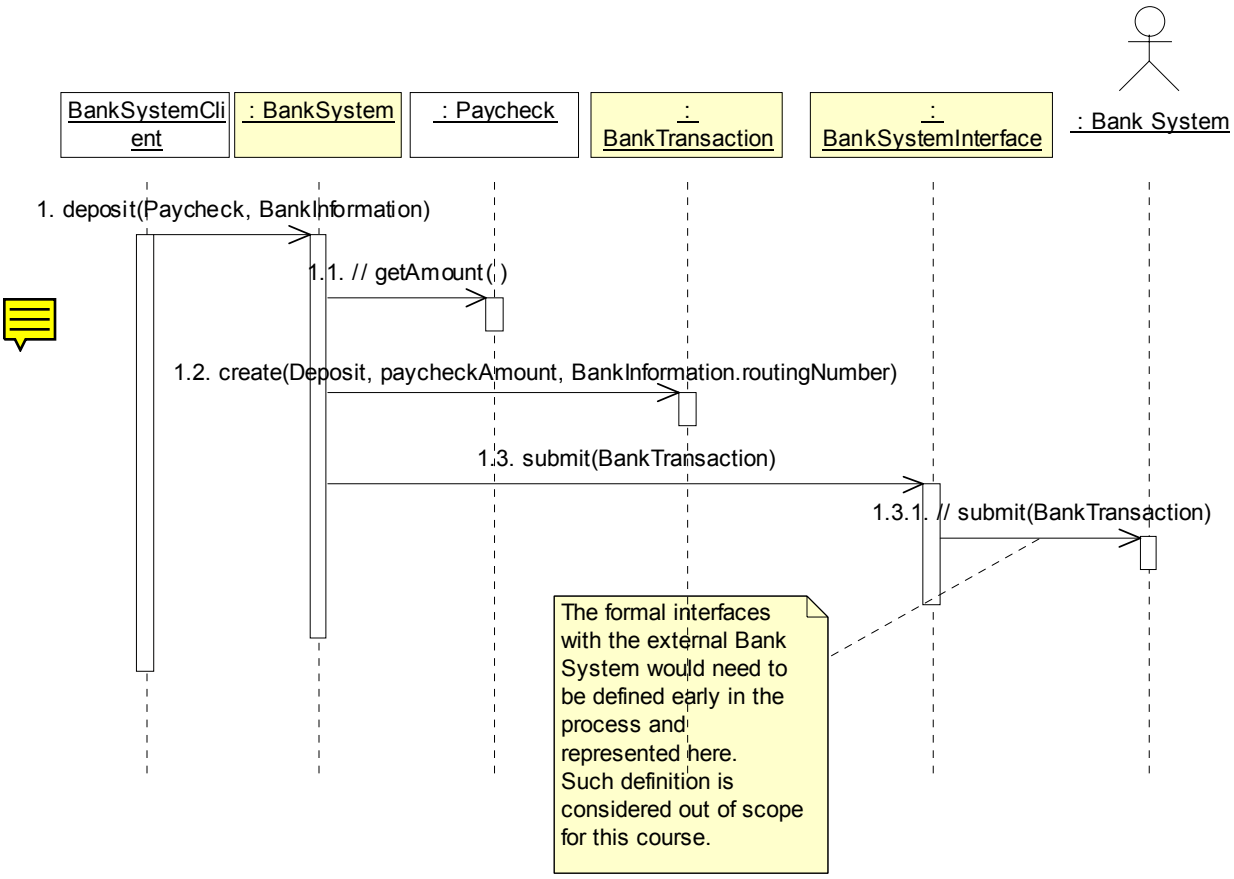
1.1 BankSystem

1.1.1 Interface Realizations

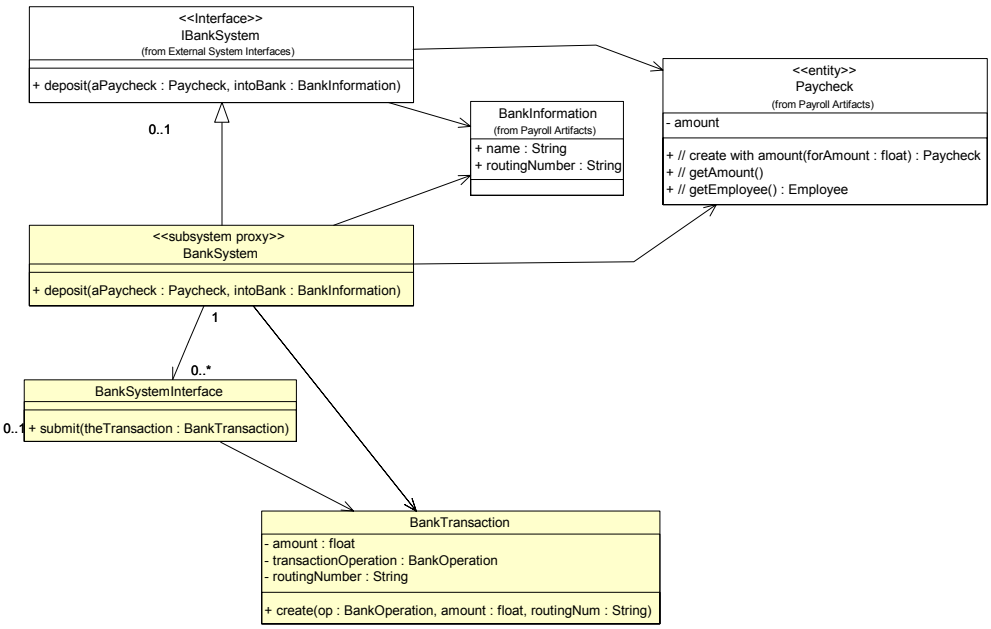
IBankSystem::deposit



IBankSystem::deposit

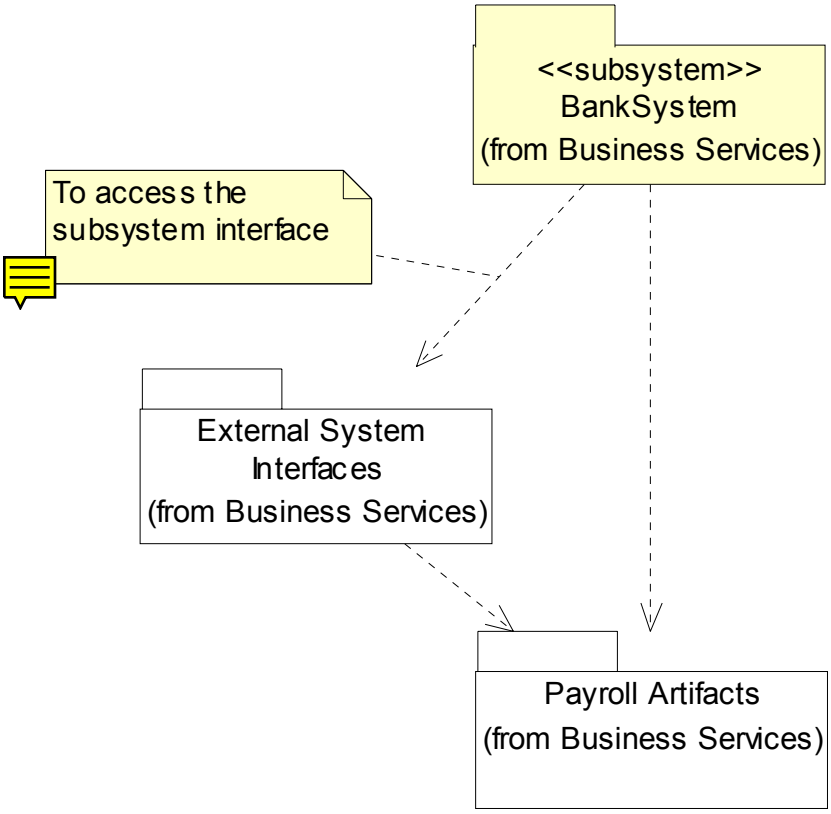


IBankSystem



1.1.2 Subsystem Dependencies Class Diagram

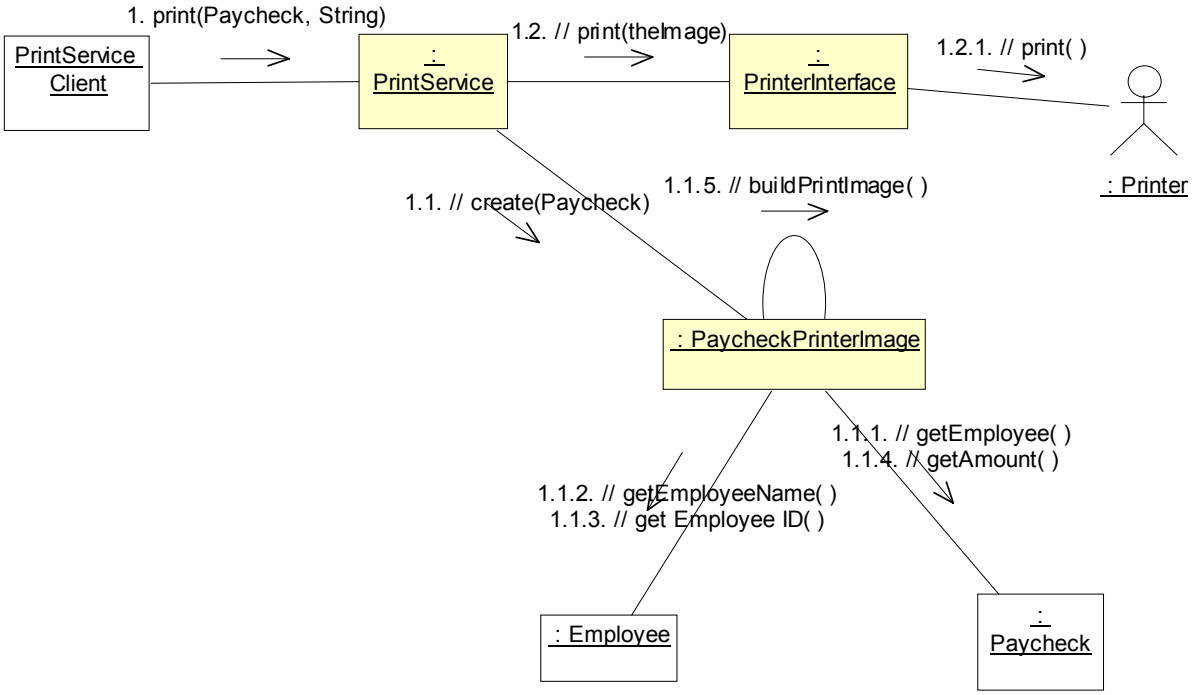
Bank System Dependencies



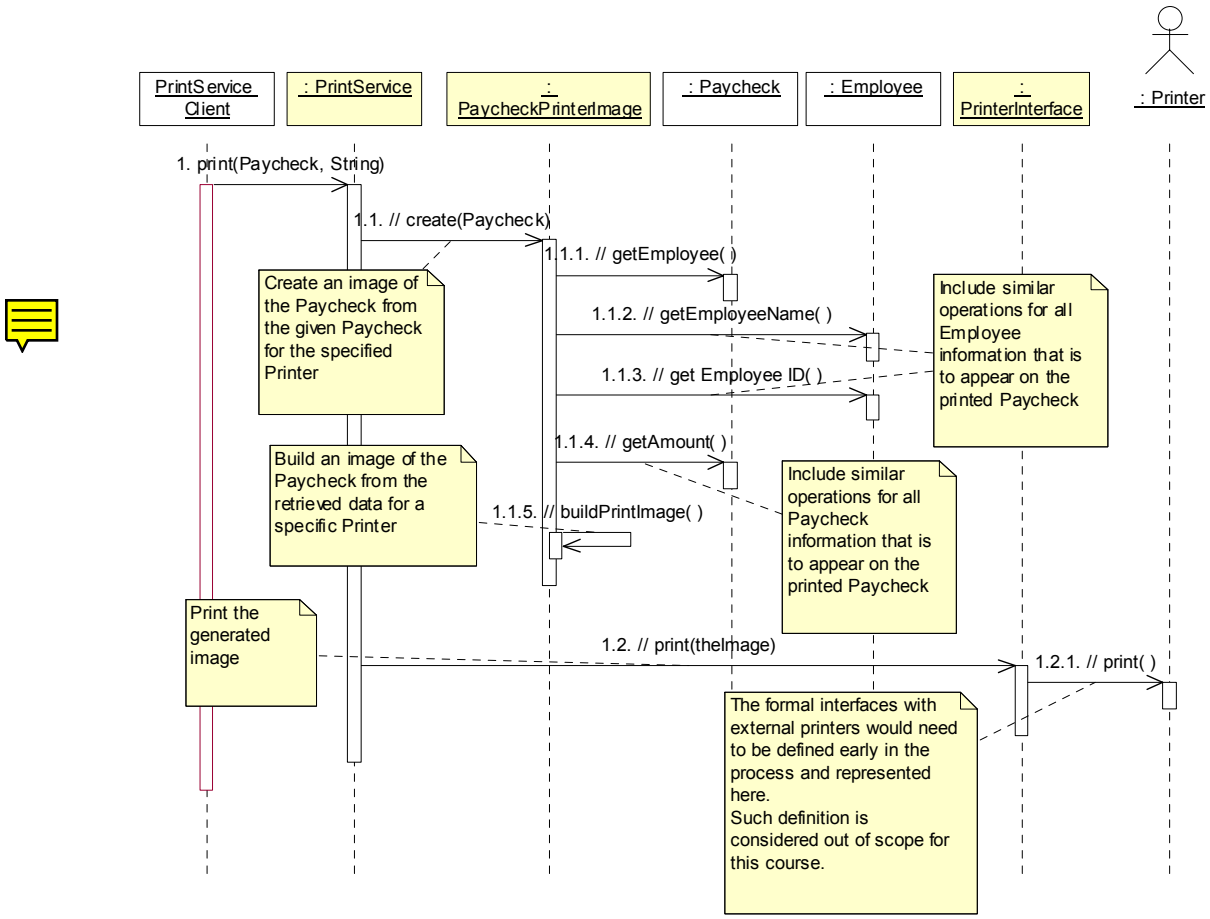
1.2 PrintService

1.2.1 Interface Realizations

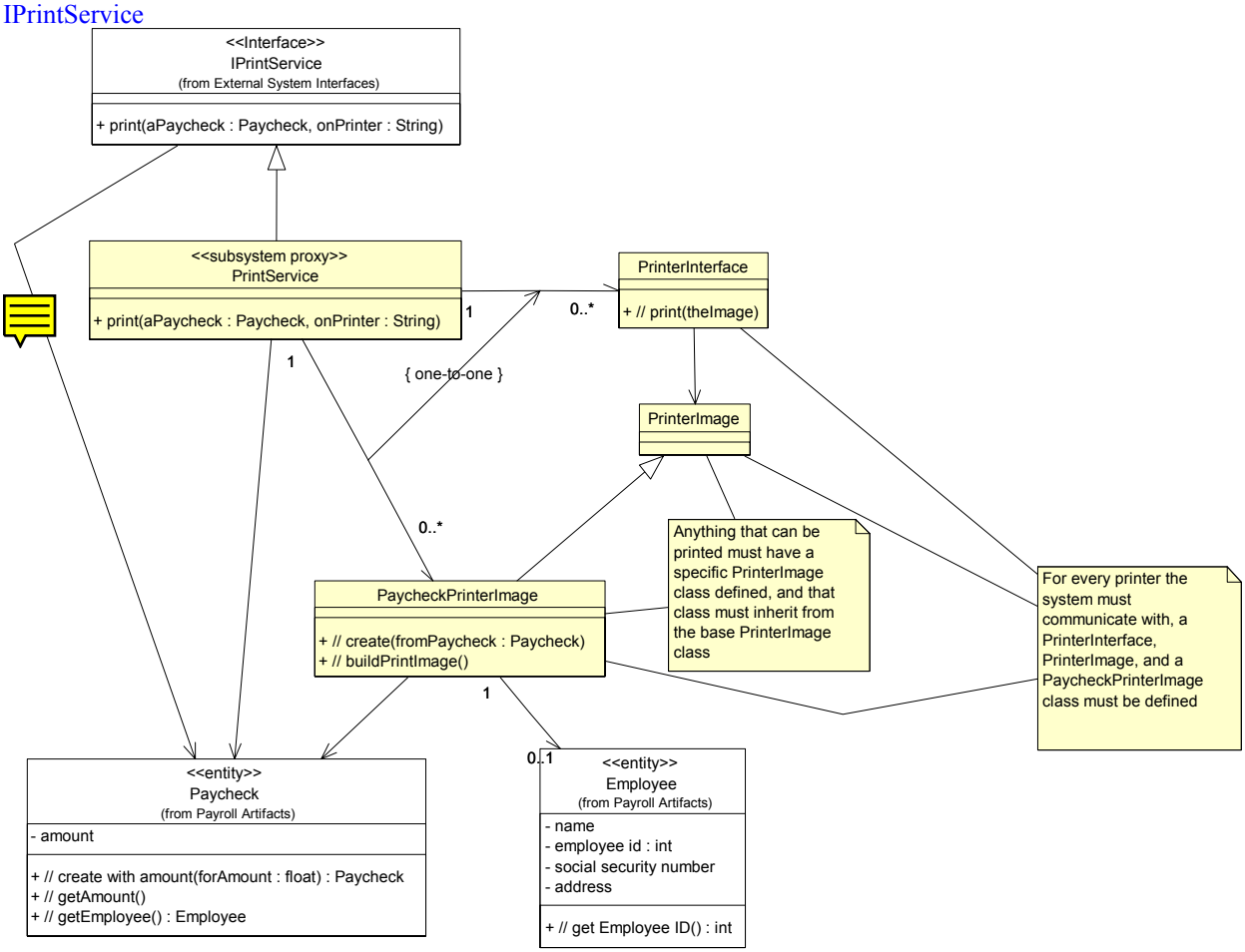
IPrintService::print



IPrintService::print

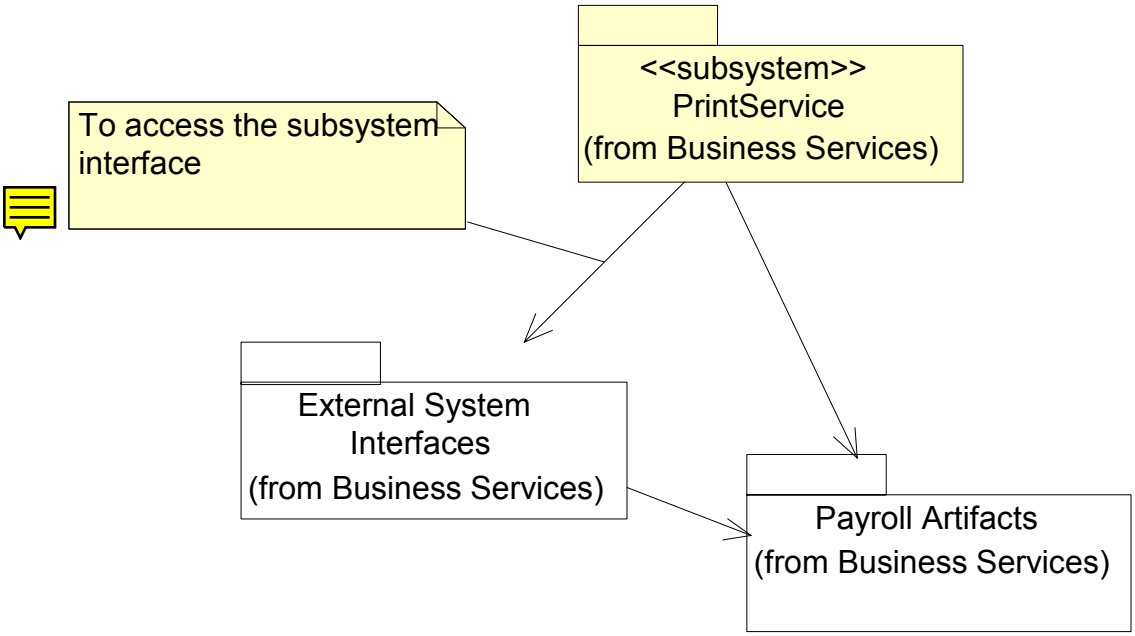


IPrintService



1.2.2 Subsystem Dependencies Class Diagram

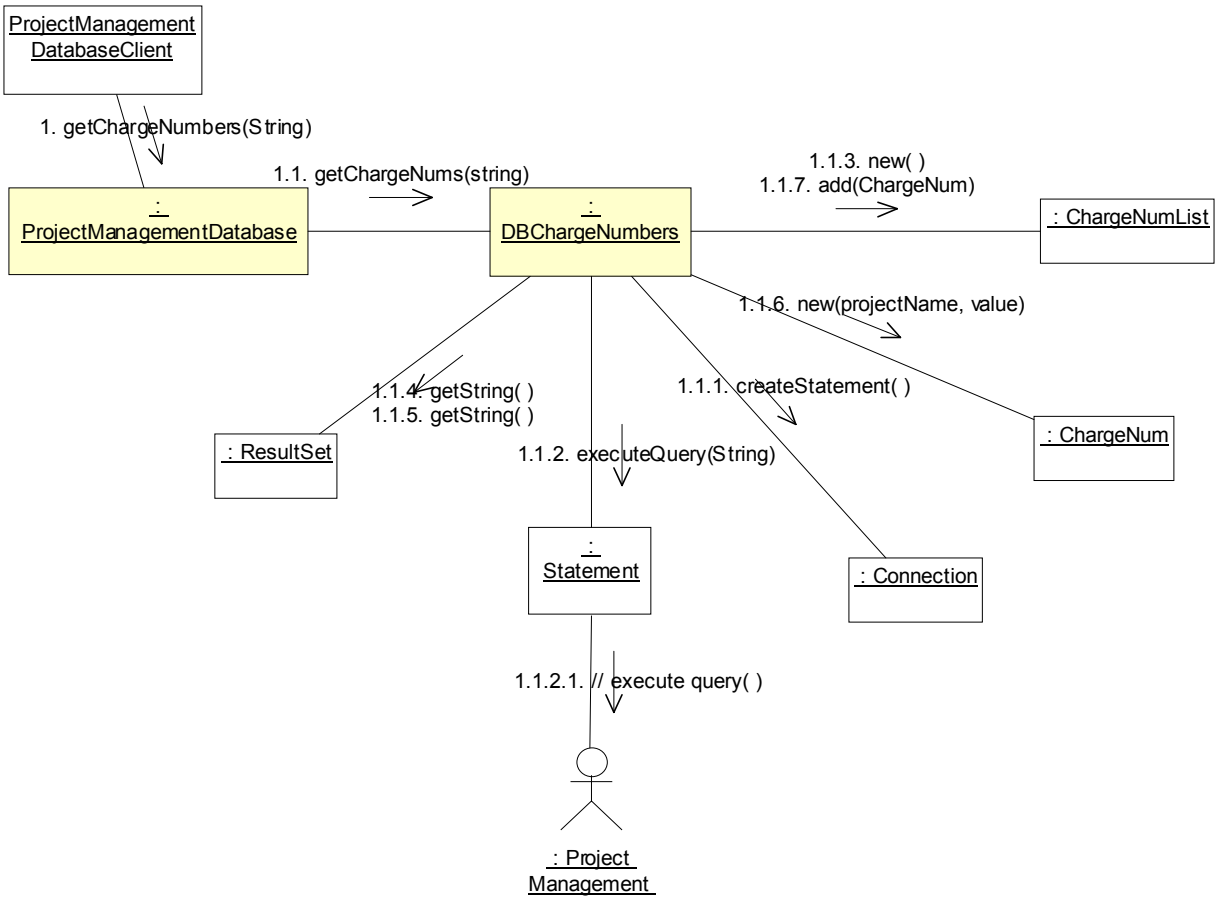
PrintService Dependencies



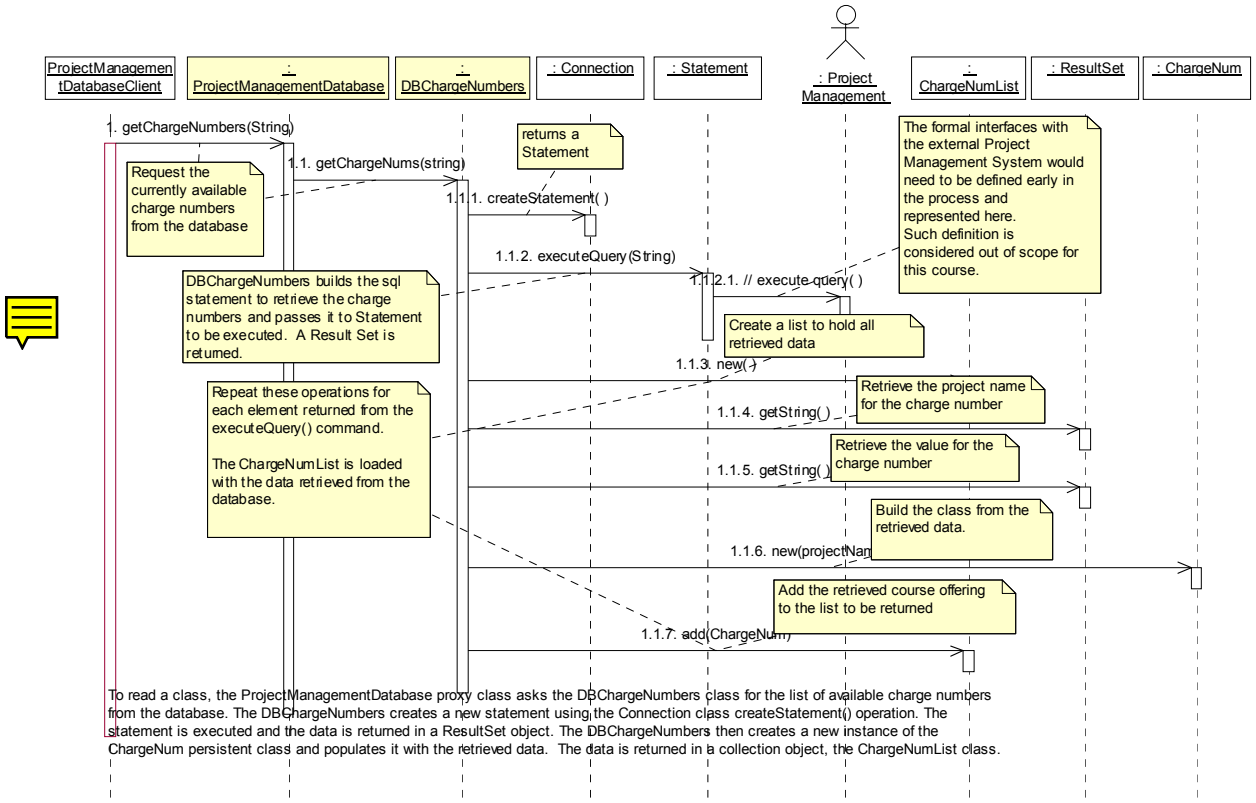
1.3 ProjectManagementDatabase

1.3.1 Interface Realizations

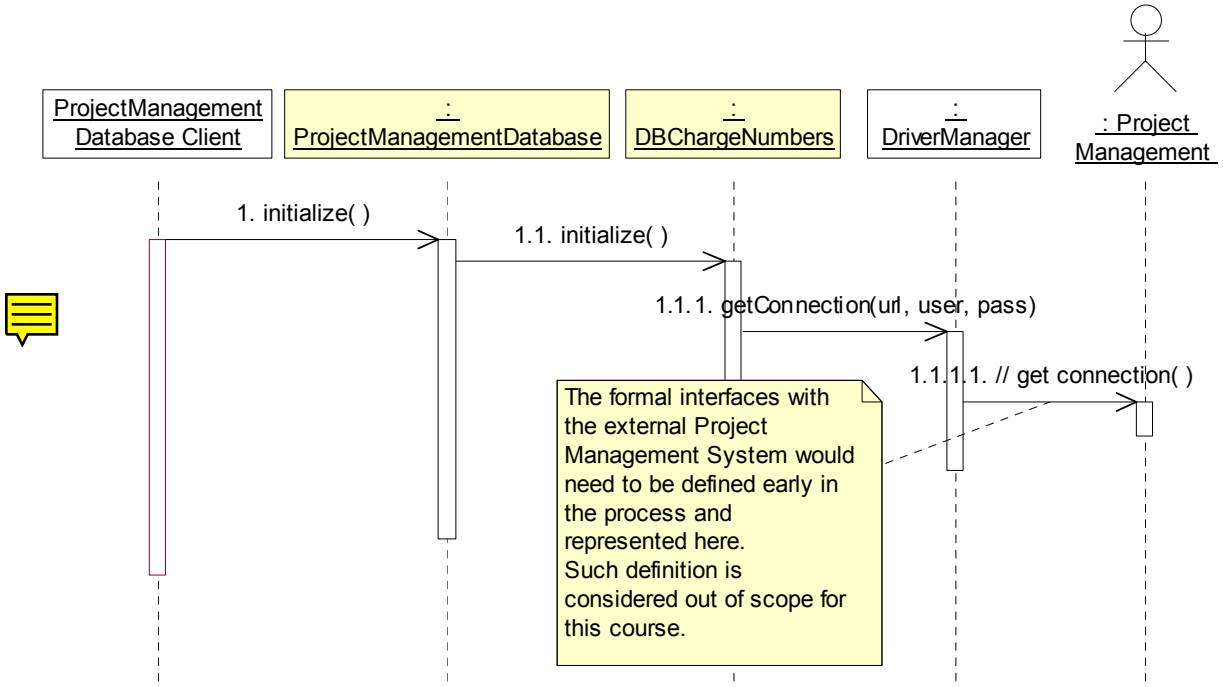
IProjectManagementDatabase::getChargeNumbers


ProjectManagement
DatabaseClient
1. getChargeNumbers(String)
1.1. getChargeNums(string)
1.1.3. new( )
1.1.7. add(ChargeNum)
: ProjectManagementDatabase
: DBChargeNumbers
: ChargeNumList
1.1.6. new(projectName, value)
1.1.4. getString( )
1.1.5. getString( )
1.1.1. createStatement( )
: ResultSet
1.1.2. executeQuery(String)
: ChargeNum
: Statement
: Connection
1.1.2.1. // execute query( )
: Project Management

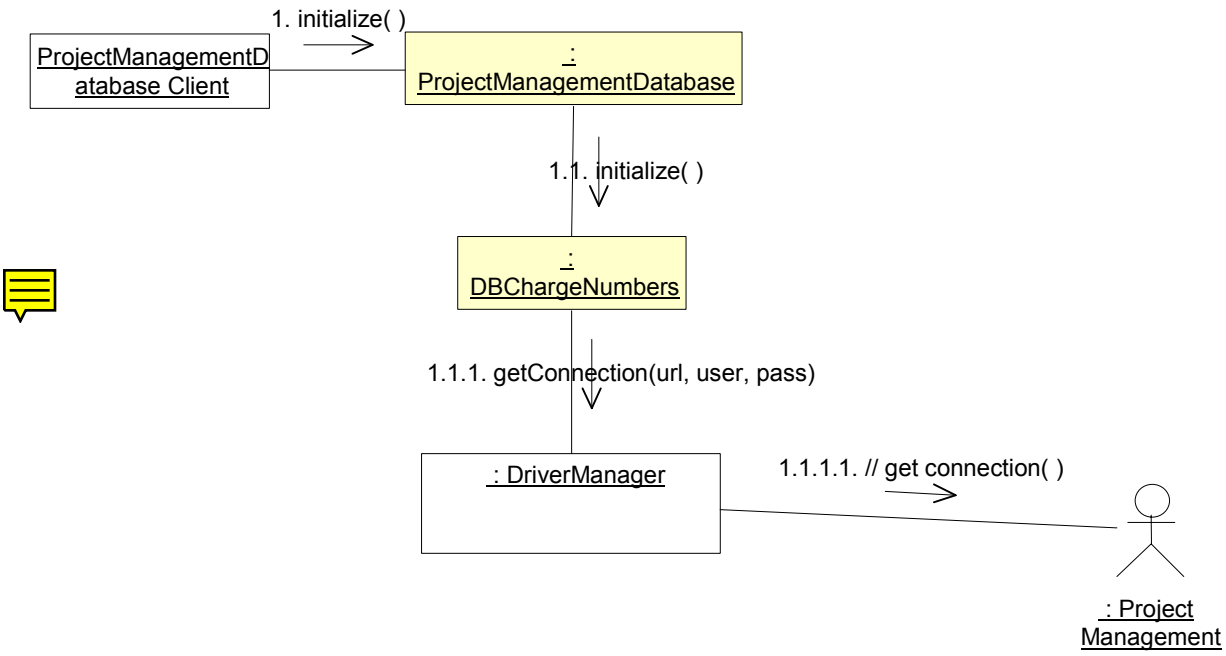
IProjectManagementDatabase::getChargeNumbers



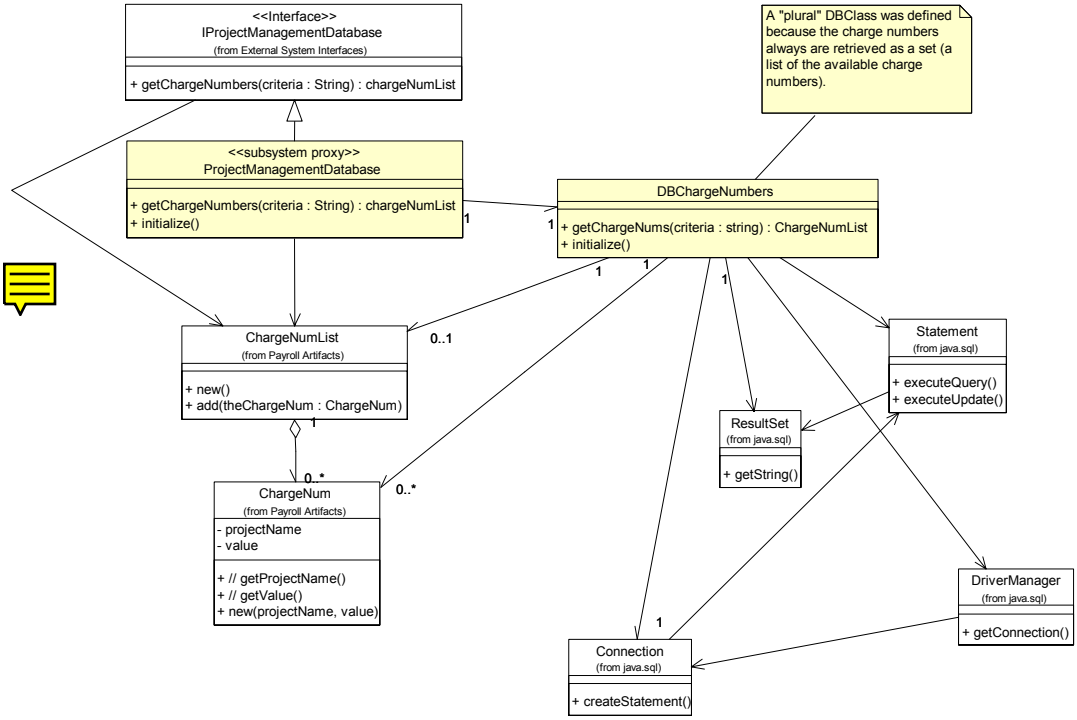
IProjectManagementDatabase::initialize

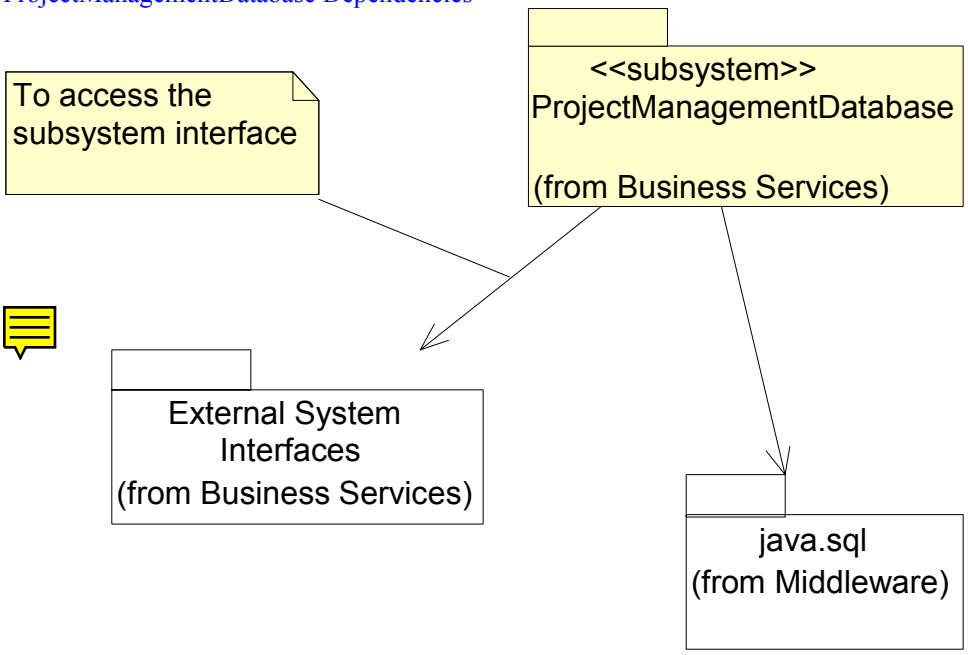


IProjectManagementDatabase::initialize



IProjectManagementDatabase



1.3.2 Subsystem Dependencies Class Diagram

ProjectManagementDatabase Dependencies