CIS 266 Scrum 3

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Goals

Create a CRUD AJAJ-PHP-MySQL web service

Separation of logic into three parts, Backend, Middleware/Business Logic, Client Front-End

Program Structure

Three unique tables in database

Classes for each table

Testers for each class

A database class to Insert, Read, Update, and Delete records

An API that provides JSON responses for each client request

Front end HTML for client to use program

Class UML Diagrams

Customer
ID
firstName
lastName
email
phone
toString()

```
Order

ID
shippingAddress
orderDate
expectedArrivalDate
price
getFormattedPrice()
toString()
```

```
ScrumDB
 conn
 hostName
 databaseName
 userName
 password
 connectTo()
 showDatabase()
 showTables()
 getRecords()
 getOneRecord()
 updateRecord()
 deleteRecord()
 insertRecord()
```

```
ID
name
color
description
price
getFormattedPrice()
toString()
```

Testers

PHP files

Display classes with default variables

Display classes with altered variables

API_2

Gets user input

Calls function from ScrumDB based on input

Creates Array of info from ScrumDB

Sends info as JSON object back

CRUD AJAJ-PHP-MySQL Web Service Client

User selects a table

Table is displayed

User can delete any record

User can select a record

All of this is done dynamically

Test/Debug

Try using it (particularly the testers)

Alter code slightly (X)

Demonstration of Code