**158.225 Group Assignment Specification**

**(4-6 members per group)**

This assignment is based on the work you have done throughout the semester on the ArtSpace System. The assignment is an opportunity to demonstrate your understanding of the use of the different types of UML diagrams and your ability to model your client’s requirements using a CASE tool (e.g. Rational Rhapsody Modeler.)

You should demonstrate a professional approach in **both** your submitted documentation and your verbal presentation.

Each group member will be fully responsible for explaining his/her understanding of a different aspect of your group’s design.

**Modelling Requirements**

Provide an overview of your system design (use cases, class diagrams, sequence diagrams etc.), as documented in Rational Rhapsody Modeler (or similar tool), and highlight the most important design decisions.

Keep any assumptions you make simple, as the point of this work is to show you understand the various models in a simple context.

**Presentation Style**

Treat this as if it were a **professional presentation** to your manager (in this case the teaching team) so you will have a small but knowledgeable audience. Therefore do not explain the OO development method or the application domain.

Concentrate on explaining how you have made important design decisions and make sure to demonstrate your professional skills.

Each group must provide two printed copies of their slides at the beginning of the presentation.

# General Information about the presentation

1. You have a maximum of **10 minutes** for the main presentation and **5 minutes** question time.
2. Each member of the presentation group will be **assessed individually** and all marks **combined** for the group.
3. Group members who do not participate in the presentation will be given **zero**.
4. **No indication of marks** will be given to students at the presentation; please also don’t ask about any feedback, comments, etc. at the end of your presentation.
5. Final decisions will be made about marks only after staff have discussed all the presentations.
6. **No laptops please** instead you will be using the resident computer installed in the room. You will not be allowed to access your network drives because of the overhead of constantly logging on and off. Therefore please bring your presentations on a memory stick. Please name your presentation file to include your group number so that your work can be identified later without much difficulty.

**Registering your group’s presentation**

1. Students should **register** their group members **(4-6 members per group)** using the sign-up link on Stream
2. Once everyone has signed up to a group, we will enable each group to **book a timeslot** on Thursday 8th October to present their project. Times will be during the usual tutorial/lab times to avoid clashes with other papers.

**Marking scheme**

The Group Assignment is worth 10% of the final mark, marked out of 20.

## Design documentation = 5 marks

Group presentation = 10 marks

Individual contribution to presentation = 5 marks

***Each group will be assessed on:***

* Evidence of preparation for presentation
* Co-ordination of team & presentation structure
* Quality of visual aids
* Interaction with audience
* Time management

***Each group member will be assessed on their presentation:***

Each member will be expected to present some specific content from the overall design. This may be, for example:

* Use case diagram
* Activity diagram / State diagram

## Class diagram

* System sequence / Robustness / Sequence diagram
* Screen designs (form, report)
* Any relevant Design Pattern applied to the system
* Some other aspect of the system design

The design MUST include a use case diagram and a class diagram, and at least one diagram from the dynamic model (Activity, State diagram, Robustness, Sequence).

We will be looking for evidence of clear understanding, and the ability to explain design decisions.

The **total mark** will include the **group marks** plus the **individual mark** for each member.