

Assignment 7 - Project Proposal

Kontroll - multimedia store

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Abstract

This document is to serve as project proposal for Assignment 7 withing the scope of course DA204E, with current working title: "*Kontroll - multimedia store*". The report focuses on a more detailed description of the problem in hand, the purpose behind it and also presents the reader with a rough timetable of the work to come.

Contents

1	Introduction	1
1.1	Class-diagram	1
1.2	Time Schedule	2

1 Introduction

This project proposal is only part one of the final assignment for course DA204E, given by Malmö University. The project at hand is to create a software that will help a certain multimedia store keep track of their current stock, sales or rent out records. Despite this being a sample topic given by the course examiner, it was deemed both interesting and challenging due to the author's passion in music and being somewhat of a hobby musician. The store in mind is fictitious, however the name is an homage to the author's favourite punk band and one of his favourite movies. A *Class diagram* presenting the basic relationship between different classes and their functionality is presented below. In addition an estimate *Time schedule* is also presented to the reader.

1.1 Class-diagram

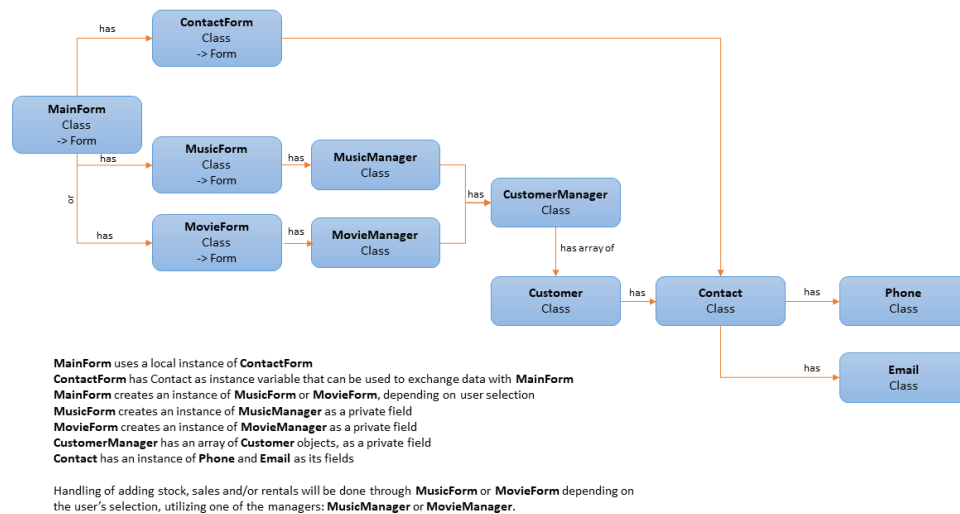


Figure 1: Preliminary Class Diagram for project planning purposes

In the Class diagram above (fig.1) a preliminary structure is shown. Depending on the selections the user does inside **MainForm**, the user will be redirected to another form: **ContactForm**, **MusicForm** or **MovieForm**. Inside **ContactForm** the user can lookup a certain customer and his contact information, in case a special offer is presented to the customer or the music/movie they have rented are due for return. With **MusicForm** or **MovieForm** the user will be able to add an item to stock, sell an item or lend out an item to a customer. The items at hand will be music records or movies. All operations will be handled by the **MusicManager** or the **MovieManager** respectively. Both of these managers will be able to create an instance of the **CustomerManager**, in order to safely store the customer's information.

1.2 Time Schedule

In order to represent the timetable that will be utilized for the project a Gantt chart was used. This chart is shown in fig.2:

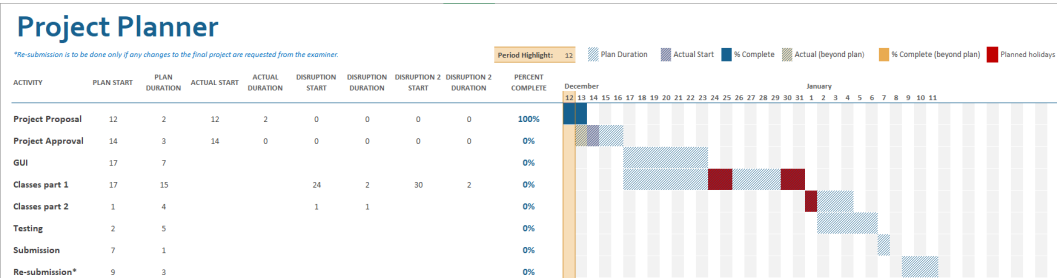


Figure 2: Preliminary Gantt Chart for project planning purposes

NB! The Gantt chart has some specifics that need to be mentioned here:

- The "red" boxes represent certain days of unavailability, due to upcoming holidays
- Re-submission period will be utilized only in case the examiner deems that a re-submission of the project is required