DEPARTMENT OF COMPUTER SCIENCE

SOFTWARE ENGINEERING

INTEGRATOR PROJECT PROFILE I

Members:

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Tutor:

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1. Title

"CinemaBox Office (Online)".

2. Defining and justifying the problem

A system will be developed which will allow you to register, book and buy tickets for cinema.

We need a system that recognizes the type of user that is treating the system, those who may be admins or clients; this system must be attractive and easily accessible to the clients. The system must show necessary and accurate information, this way the client will be able to choose what to purchase. It will also have to save the client data once they have made a purchase, and constantly compare that information to avoid problems such as available schedules, seats availability and age restrictions.

3. Objectives System - Purpose

3.1. Overall goal

Develop and implement a system, by testing in a coding program (in Java) to be able to register, book and buy tickets for cinema.

3.2. Specific goals

- Implement a functionality that allows you to look at and enter new user information, you will do so by encoding the information to files.
- Perform tests or testing by reviewing the coding which must be well structured and thus be able to find the errors and proceed to fix them, so we will use the ide which also helps us to identify errors in the source code.
- Implement a feature that allows us to search for movies and show us the information on the screen.

4. Scope:

The priority scope we have in this project would be to be able to make two basic options:

- Observe movie information on the movie billboard.
- Book or buy movie tickets.

All this accompanied by simple interfaces that allow the use of any type of person,

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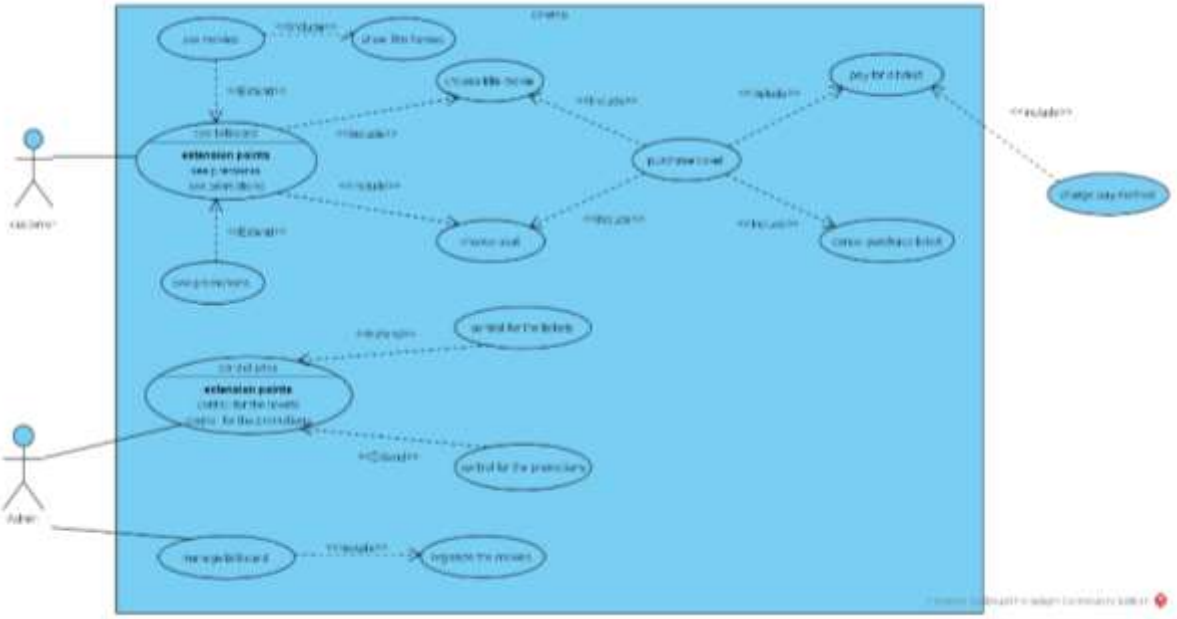
5. Theoretical framework

5.1 Product Function



5.2 User Features

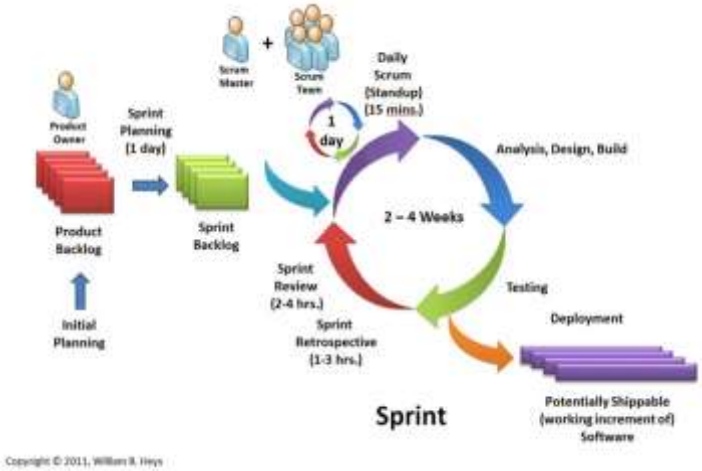
Type of user	**User**
Skills	Basic management of web portals.
Activities	Enter the System, select the movie, buy the ticket.

5.3Development IDE (NetBeans)

NetBeans is a free integrated development environment, made primarily for the Java programming language. There are also a significant number of modules to extend it. NetBeans IDE1 is a free and free product with no restrictions on use.

5.4 Scrum methodology

Scrum is a process, framework, or framework, used in teams working on complex projects; an agile working methodology that aims to deliver value in short periods of time, based on three pillars: transparency, inspection, and adaptation.



6. Ideas to defend

- Demonstrate the efficiency shown by the coded program in NetBeans, along with all its functionalities.
- Demonstrate the ease with which the program can be used and that it is easy to understand for the user.

7. Requirements

7.1 FUNCTIONAL REQUIREMENTS:

7.1.1 The program must have a login, which allows you to enter a username and a key for an administrator.

7.1.2 The program must have a menu with the following features: option 1, billboard, which will allow us to observe the title of the movie. Option 2, movies, which will allow us to observe the title, duration, category and price. Option 3 Premier Movie. which will allow us to observe the title and date of the film in prestreno. Option 4, Administrator, which will allow us to register (User, Password) and organize the list of movies.

7.1.3 The program must keep a clear and organized record of all the options that have to do with the price to be paid, i.e. the payment method.

7.1.4 The program must have an easy-to-understand interface for the user with clear instructions.

7.2 NON-FUNCTIONAL REQUIREMENTS:

7.2.1 The access permissions to the system may be changed only by the administrator, to organize and update the cinema billboard and that only authorized persons can access it.

7.2.2 The system must have properly structured user manuals, so that the user can manage the program according to the established standards and does not make it difficult to use the program properly.

8. Personnel involved

Name	Gabriel Aguirre
Role	Project Manager, Analyst, Developer, Tester.
Professional category	Software Engineering Student
Responsibilities	Almost everything
Contact information	apaguirre3@espe.edu.ec
Approval	Yes

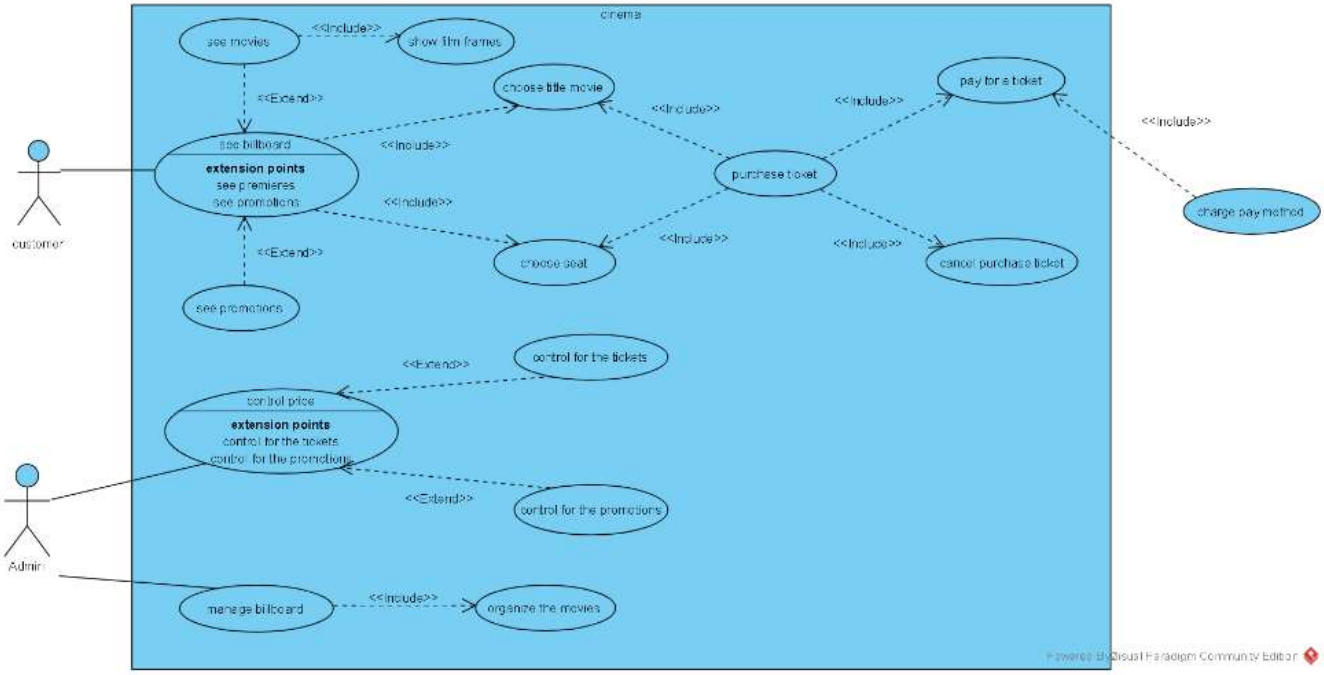
Name	Josue Aleman
Role	Analyst, developer, tester..
Professional category	Software Engineering Student
Responsibilities	Code Development and Review
Contact information	jjaleman@espe.edu.ec
Approval	Yes

Name	Jhoel Chicaiza
Role	Analyst, developer, tester, documentation
Professional category	Software Engineering Student
Responsibilities	Code Development and Review, help in documentation work
Contact information	Jdchicaiza9@espe.edu.ec
Approval	Yes

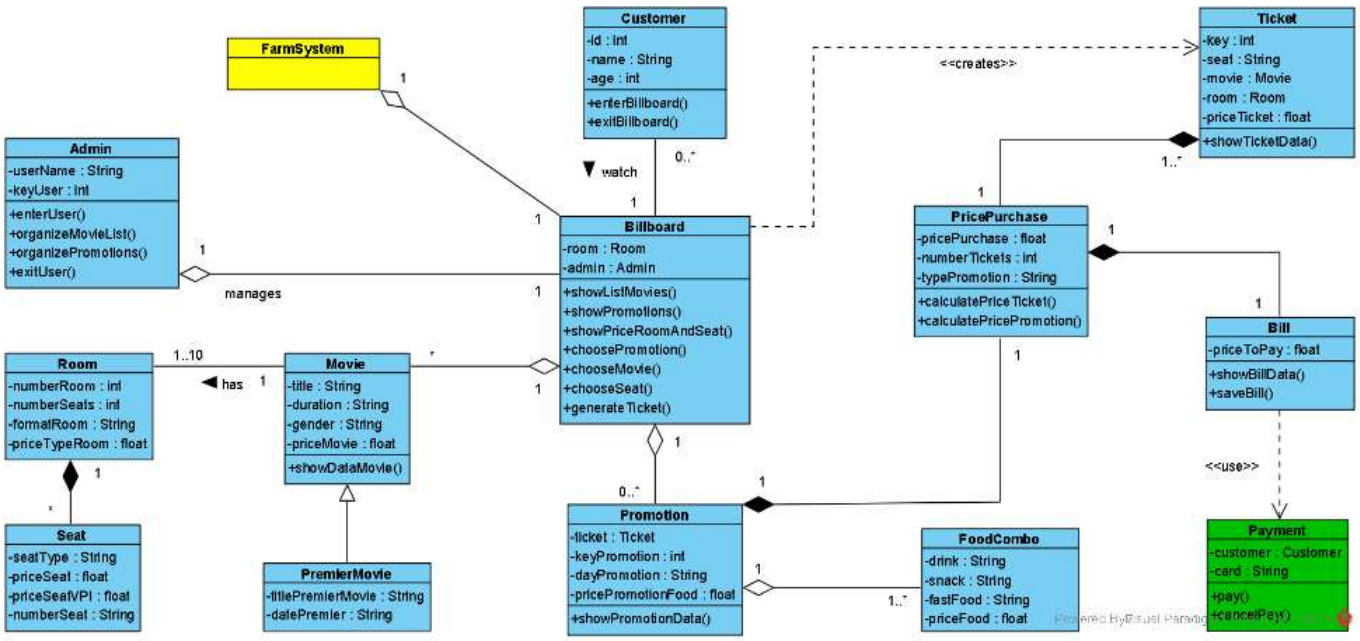
Name	Kevin Chuquimarca
Role	Analyst, developer, tester..
Professional category	Software Engineering Student
Responsibilities	Code Development and Review
Contact information	kchuquimarca@espe.edu.ec
Approval	Yes

Name	Alisson Clavijo
Role	Analyst, developer, tester, documentation
Professional category	Software Engineering Student
Responsibilities	Code Development and Review, help in documentation work
Contact information	anclavijo@espe.edu.ec
Approval	Yes

9. Diagrams Case of Use



10. Diagram of classesis



11. Expected results

- Development of the system program source code, at the time of coding, we apply the knowledge acquired during the 1st partial.
- Tests were performed with input of flat files, with a lot of textual or numerical information to avoid inconveniences.

12. Viability

12.1. Technical

Software			
Amount	Description	Unit Price	V. Total
5	Netbeans	0.00	0.00
5	Windows 10 Home	120.00	600.00
2	Microsoft Office	76.00	152.00
		Total	752.00

Administrative			
Amount	Description	Unit Price	V. Total
0	Paper Resma	0.0	0.0
0	Ink Cartridges	0.0	0.0
1	Material Extra	18.00	18.00
		Total	18.00

Hardware			
Amount	Description	Unit Price	V. Total
1	Core i3-6006computer,4 GB RAM, 1 Tera.	500	500
1	Core i3 computer, 6 GB RAM	600	600
1	Core i7 computer, 12Gb RAM, 1 Tera.	700	700
1	Core i3 computer, 4 Gb RAM	800	800
1	HP Pavilion x360 Convertible, Core i3-10110, 8 Gb RAM, 120 Gb.	400	400
		Total	3000.00

* The hardware detailed in the table above is owned by the work computer.

TOTAL BUDGET	
Hardware	3000.00
Software	752.00
Administrative	18.00
Total	3770.00

12.2. Human

12.2.1. Business Tutor

Ing. Edison Lascano.

12.2.2. Students

- Gabriel Aguirre
- Joshua German
- Jhoel Chicaiza
- Kevin Chuquimarca
- Alisson Clavijo

13. Bibliography

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