

“Cinema Tickets Online”

Development by «Group №3»:

1. Roman Skibchyk
2. Dmitro Hnatovskyi
3. Gayane Harutyunyan
4. Vitalii Titarenko
5. Ilya Olkhovyk
6. Alexander Parpalak
7. Valentine Karayvansky

Technologies & Requirement

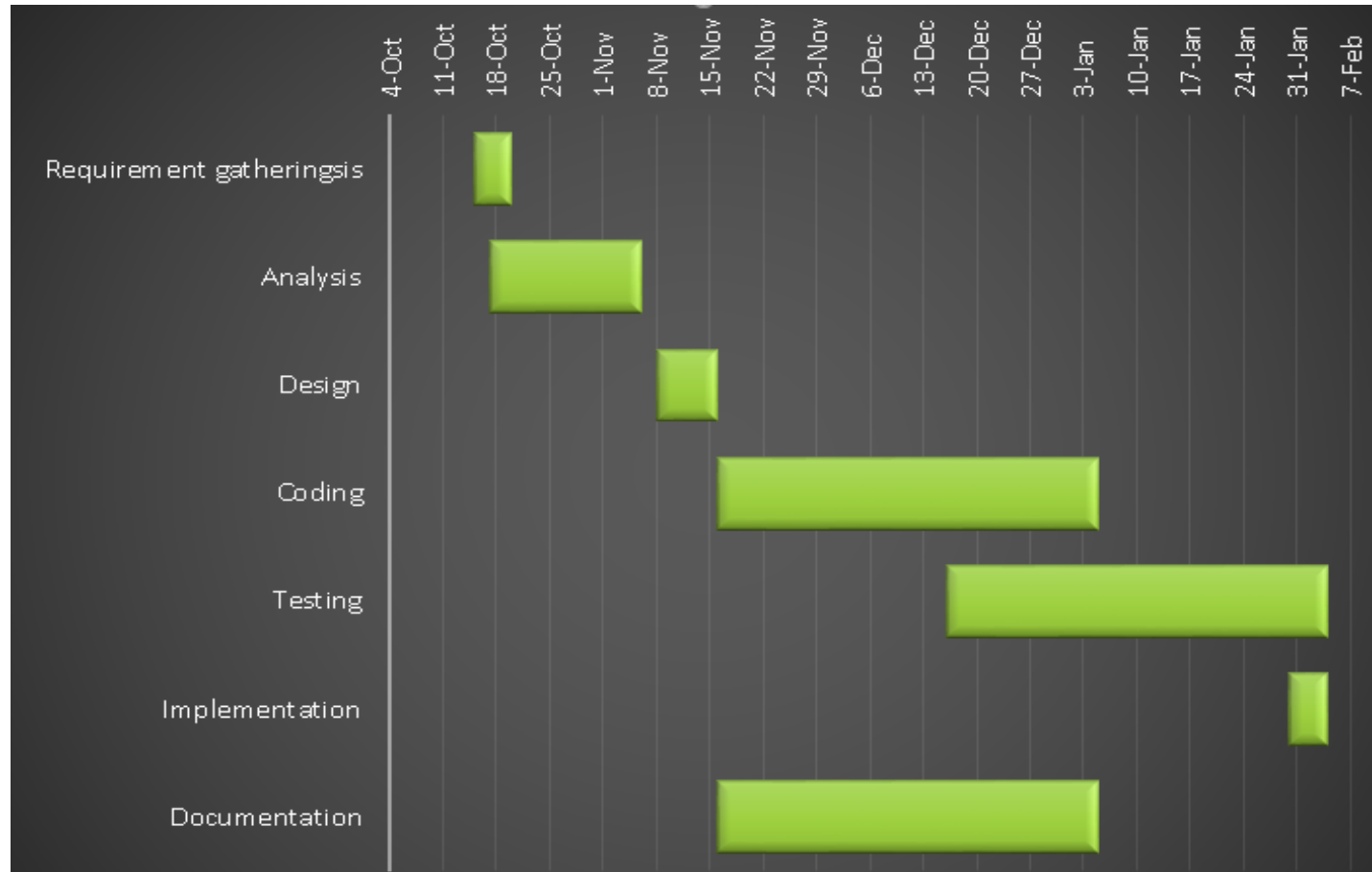
❖ Used Technologies:

- **Back-End:** Java 8 + Spring 4.0
- **Front-End:** Vaadin + CSS + JSP
- **Web Server:** Apache Tomcat
- **Data Base:** Oracle 11g XE
- **Other:** Maven, Log4j

❖ Client Side Computer Requirement

- **Modern computer with Internet and Web browser**

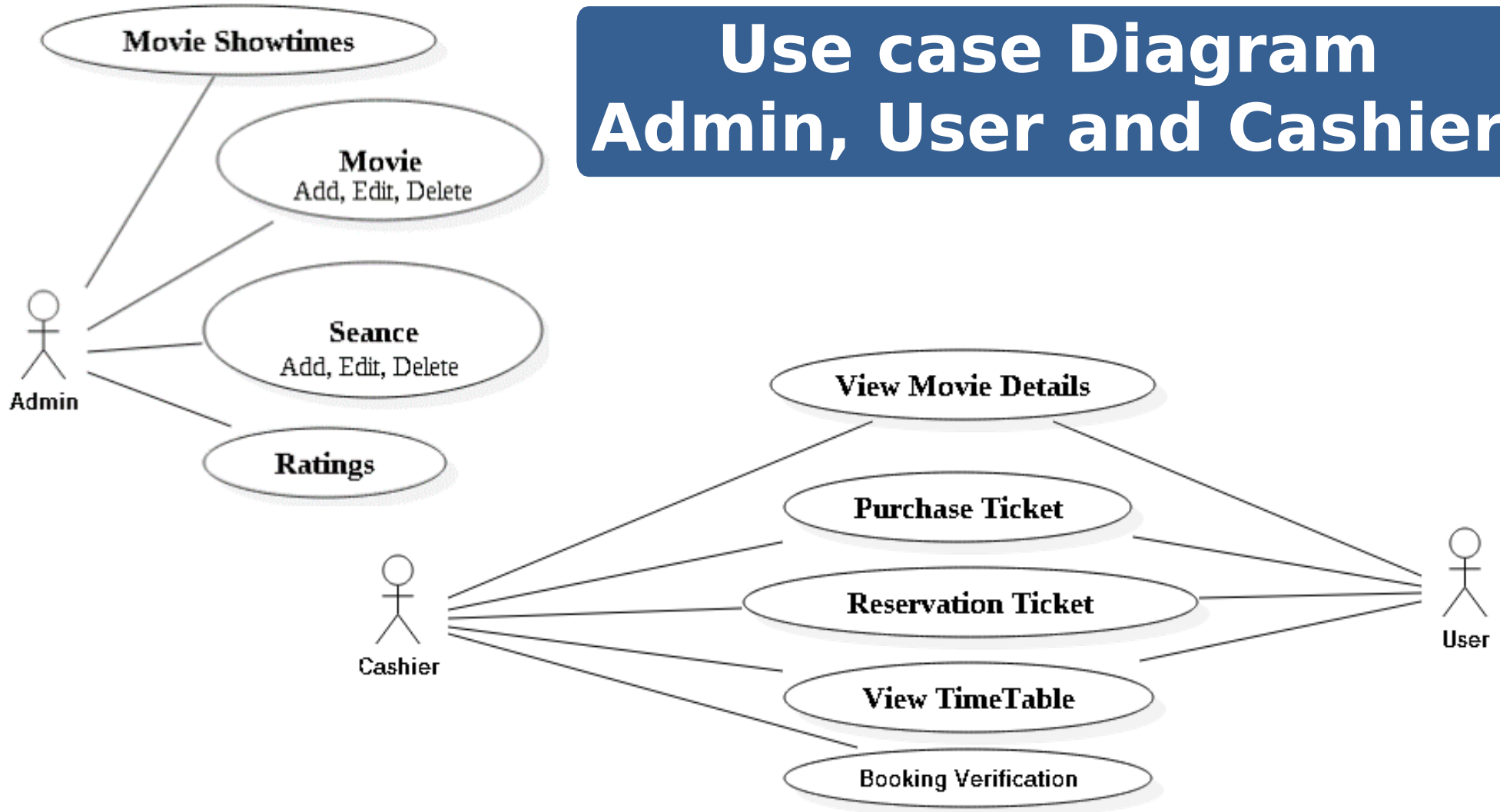
TimeLine Chart



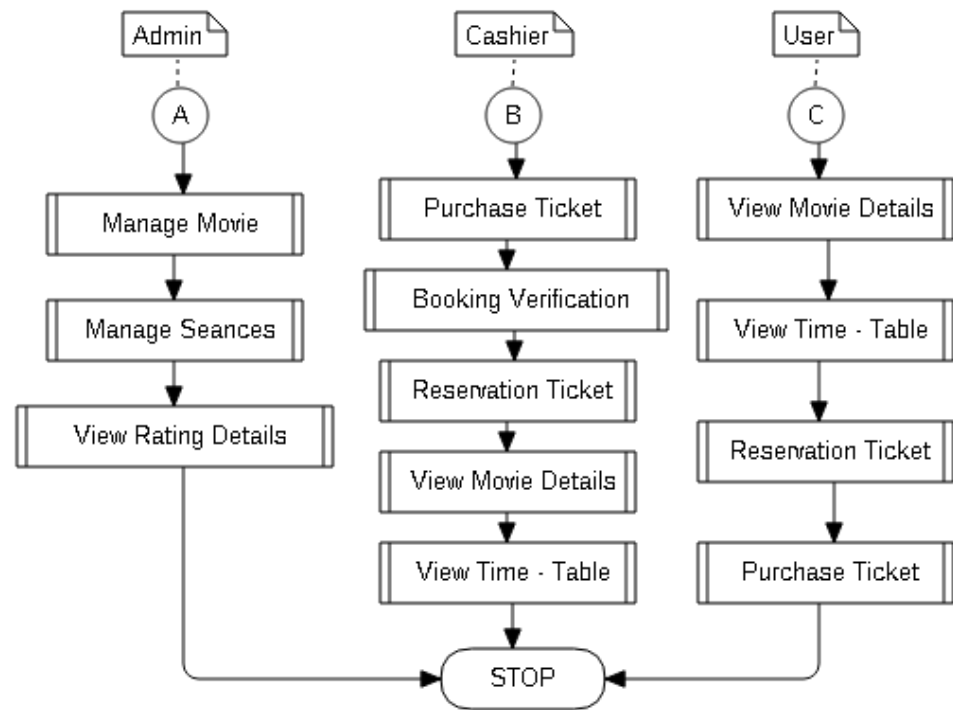
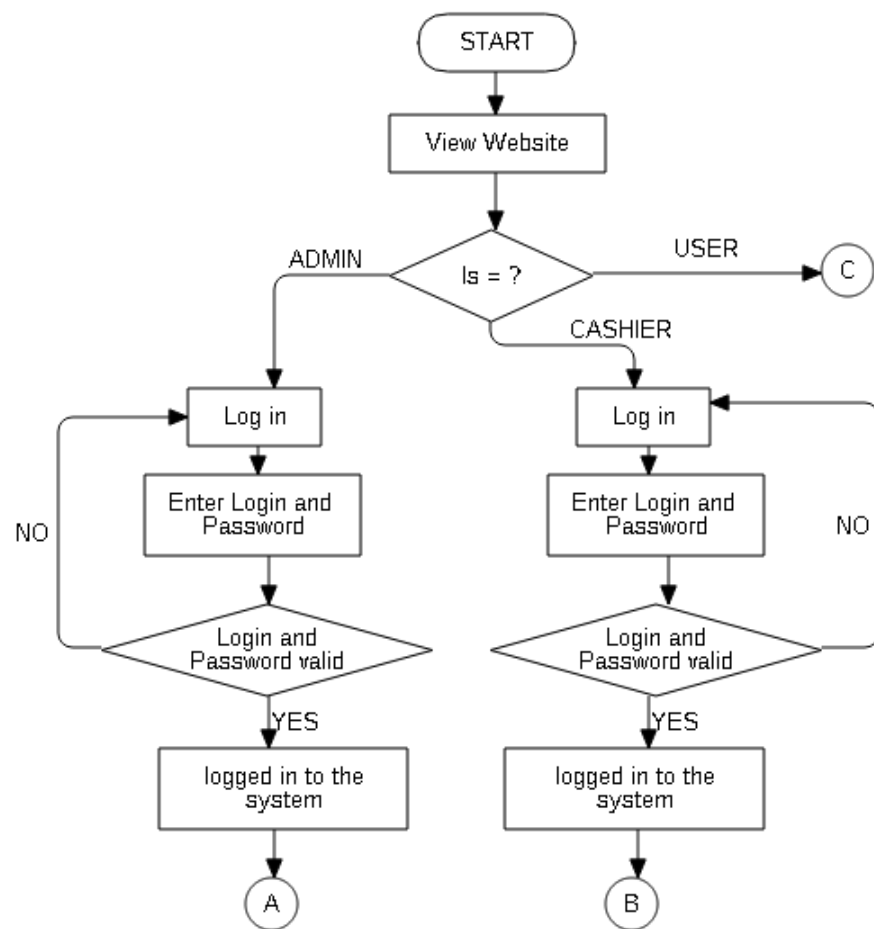
Objectives

1. Three roles with different rights: admin, cashier and user.
2. View / add / edit / delete movies and seances.
3. Different types of sorts and filters for movies and seances.
4. Required fields:
 - for film: title, description (up to 1000 characters), the IMDB rating, cost, poster, hire date;
 - for session: hall, movie date, costs of zones.
5. Two halls with three zones in each. In the first hall 90 seats, in the second - 120.
6. Seances time: 10:00-22:00.
7. To receive reports: ratings for halls and zones, quantity of sold tickets.
8. Booking tickets and printing / sending them by email.
9. Automatic removal of booking, in the case of non-payment for 60 minutes before the start of the séance.

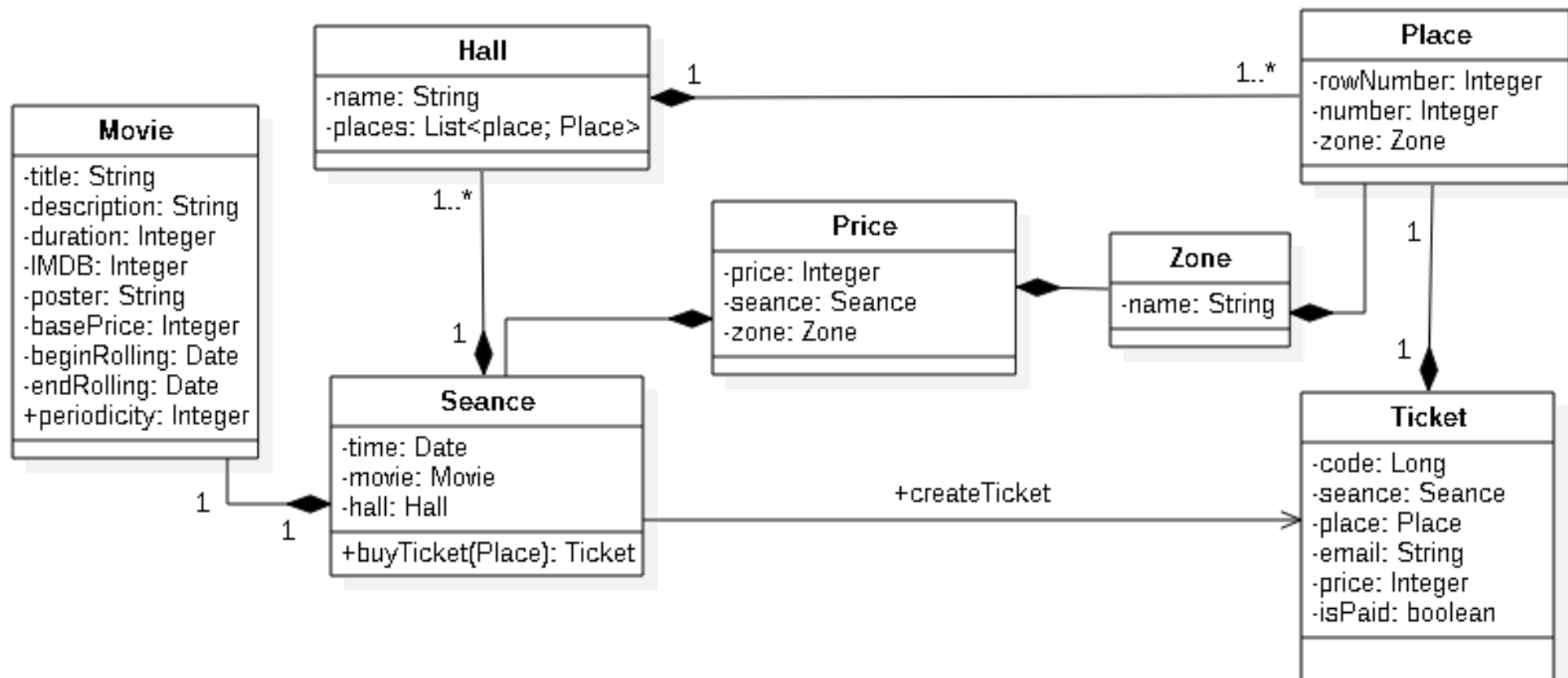
Use case Diagram Admin, User and Cashier



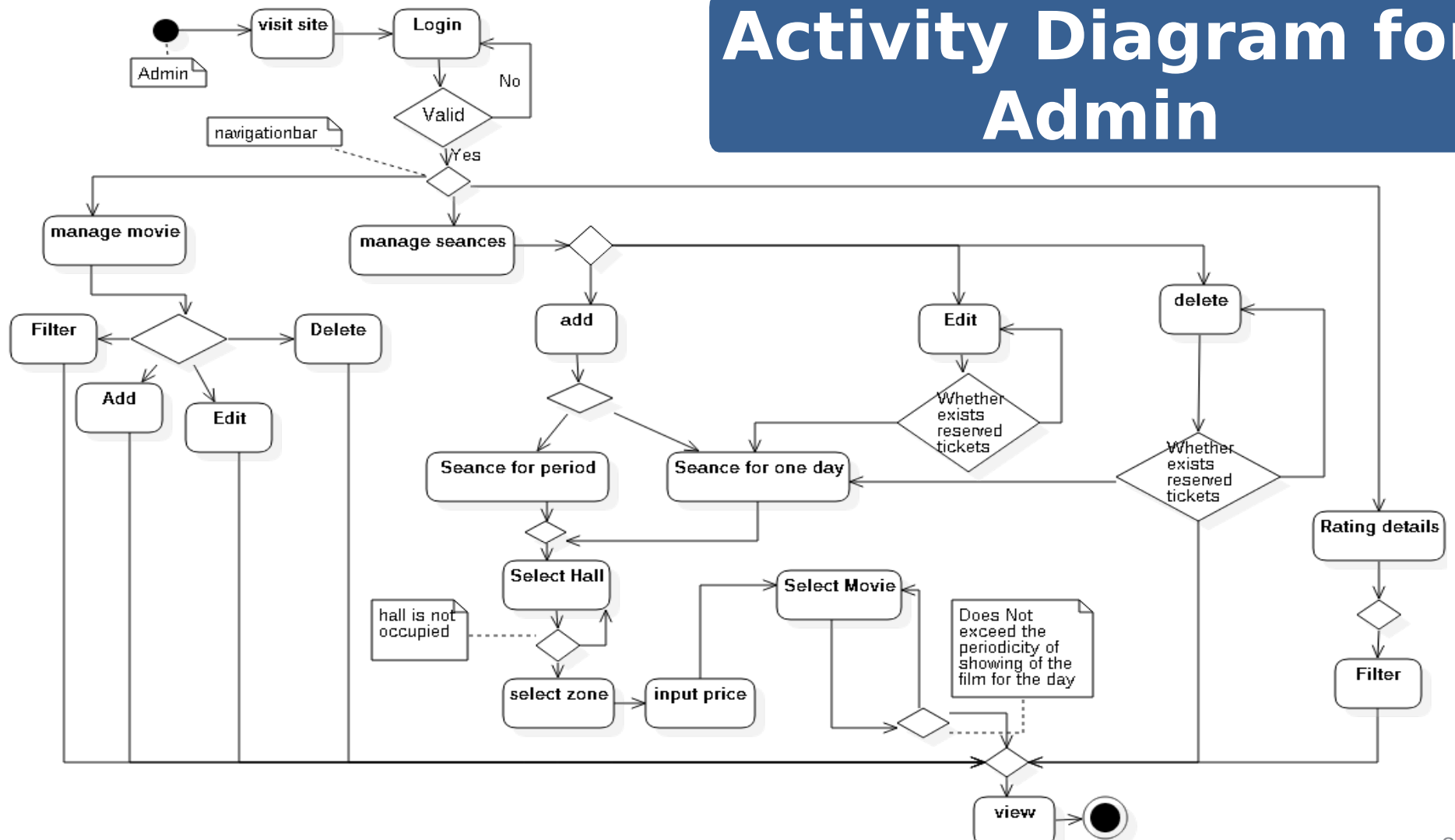
System Flow Chart



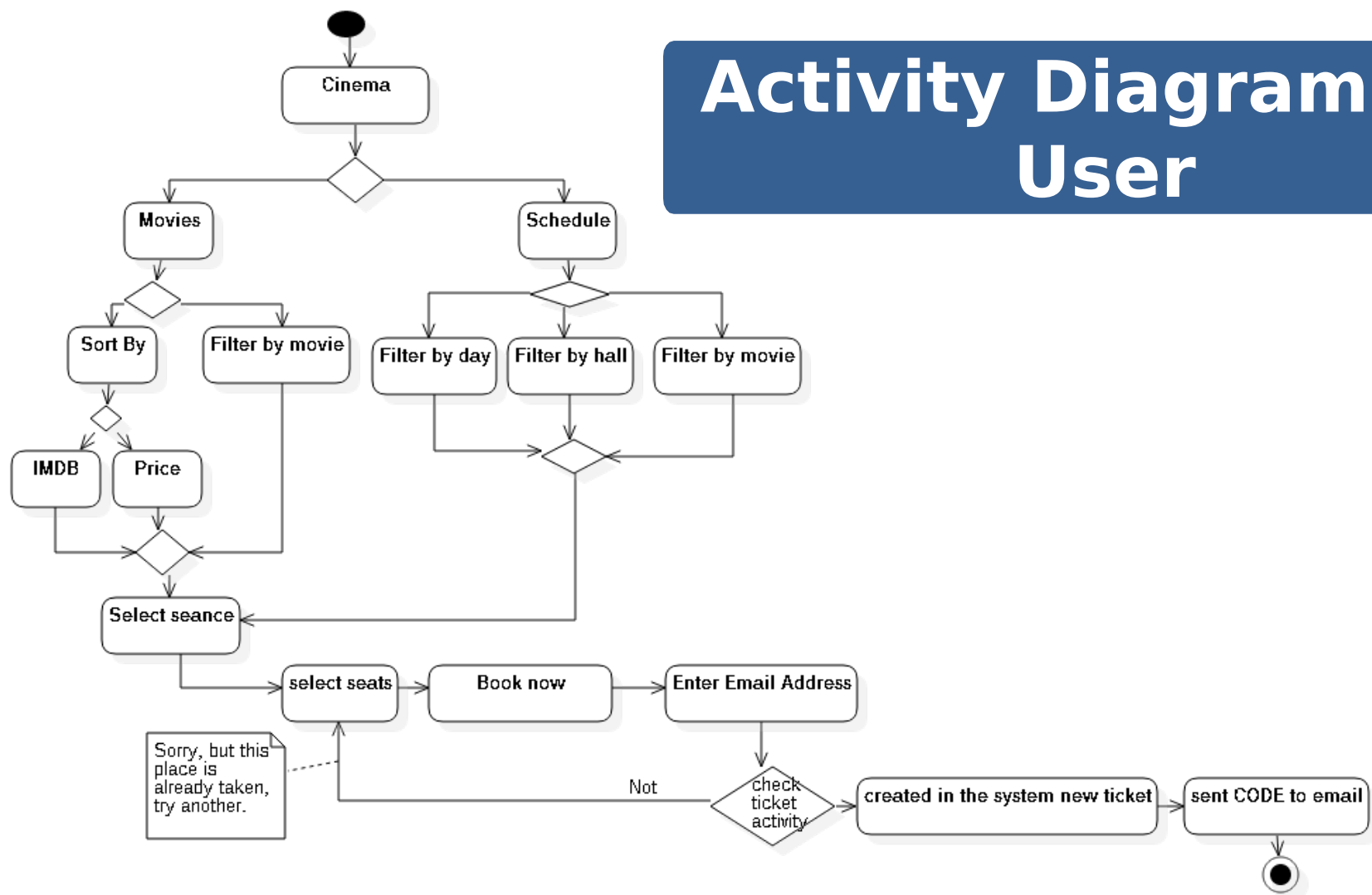
Class Diagram



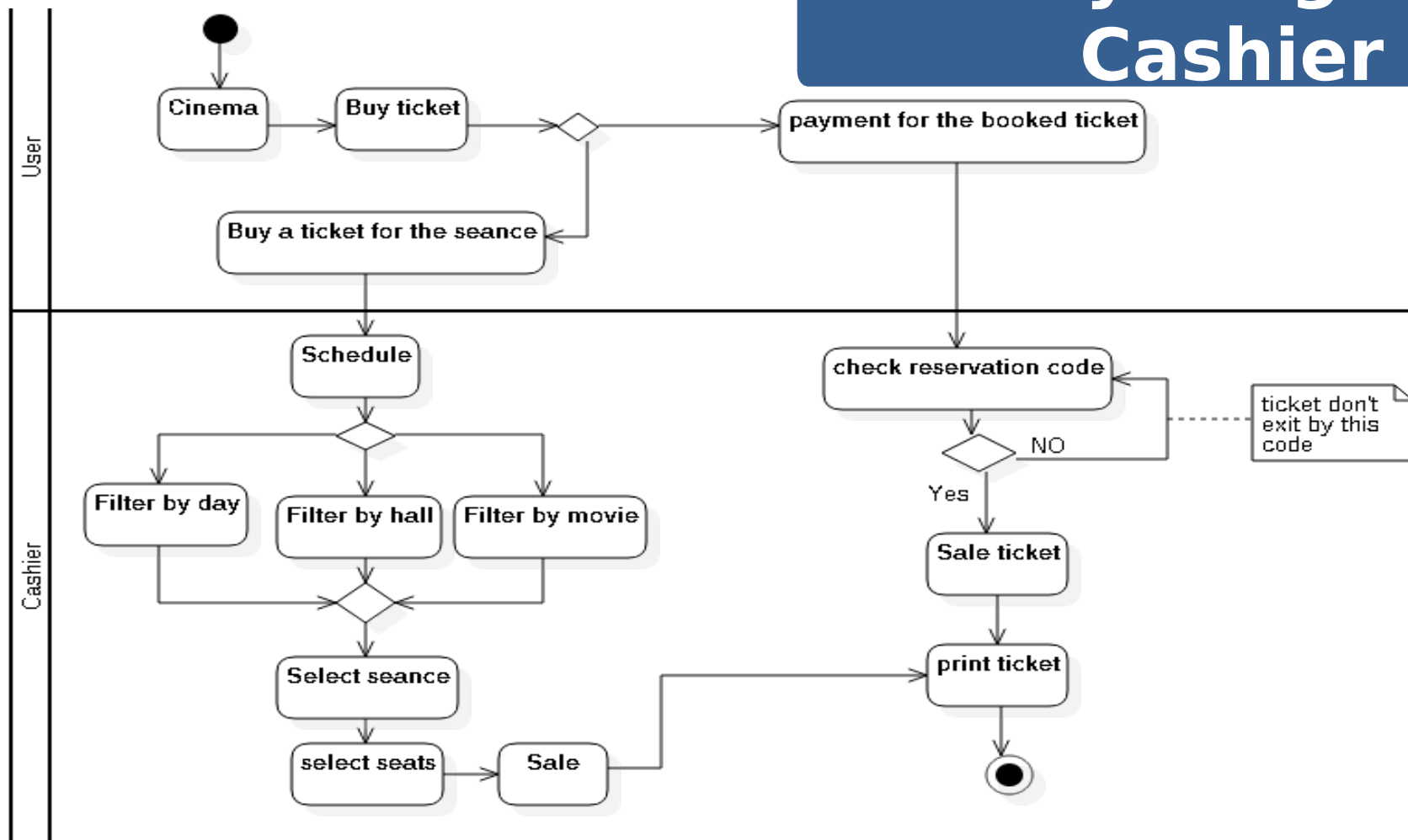
Activity Diagram for Admin



Activity Diagram for User



Activity Diagram for Cashier



Overview

Authorization

The image shows a login interface centered on a light gray background. The interface consists of a white rectangular box with a dark blue header. The header contains the text 'WELCOME' in white and 'LOGIN PANEL' in a smaller white font inside a dark blue pill-shaped button. Below the header, there are two input fields with yellow backgrounds and light gray borders. The first input field has a user icon on the left and the text 'admin'. The second input field has a lock icon on the left and a series of dots representing a password. Below these fields is a blue button with the text 'Sign In' in white.

Manage Movies

Movies

Seances

Ratings

Logout

filter by movie...

✕

Add new movie

Edit

Delete

Name	Duration	Imdb	Base Price	Periodicity	Start Date	End Date
Ghost in the Shell	86	90	93	6	2016-11-15	2017-02-15
Beauty and the Beast	110	70	148	5	2016-11-01	2017-02-10
Fantastic Beasts and Where to Find Them	164	90	123	6	2016-12-20	2017-03-07
Manchester by the Sea	137	84	60	3	2016-08-06	2017-03-01
Cold Souls	101	65	70	4	2016-11-01	2017-03-01
The Last Exorcism II	88	40	70	2	2016-10-10	2017-02-10
Maze Runner: The Scorch Trials	132	64	80	5	2016-11-01	2017-03-01
Oz the Great and Powerful	130	63	80	4	2016-12-01	2017-04-10
The Lone Ranger	150	65	80	4	2016-12-01	2017-03-10

Manage Seances

MoviesSeancesRatings

Log


<< < February 2017 > >>

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	1	2	3	4
5	6	7	8	9	10	11

Add new seance


Hall 1

03 Feb 2017




Beauty and the Beast
begin: 10:00
end: 11:50 + 20min
prices: 200, 175, 150

editremove



Oz the Great and Powerful
begin: 14:00
end: 16:10 + 20min
prices: 300, 250, 200

editremove



The Lone Ranger
begin: 17:00
end: 19:30 + 20min
prices: 200, 150, 100

editremove

Hall 2

03 Feb 2017

Add new seance

Hall:

Hall 2

Movie:

Maze Runner: The Scorch T


Select an option:

☐ Seance for one day


☒ Seances for period

☐ Add seance on the current date after all

Date:

 03.02.17 10:00

Period end date:

 25.02.17

Zone 'DD'

250

Zone 'EE'

200


Zone 'FF'

200

☐ Add one more seance after this

Erase all

Save seance



start: 01 Nov 2016
final: 01 Mar 2017

Manage Ratings

Movies

Seances

Ratings

Logout

All Rating

Hall Rating

Zone Rating

	movieName	hallName	zoneName	ticketSold	price	startDate	endDate	
	Show all	Show all	Show all	Show all	Show all	Show all	Show all	
1	Fantastic Beasts and Where to Find Them	One	CC	1	133	Dec 20, 2016 12:00:00 AM	Mar 7, 2017 12:00:00 AM	
2	Manchester by the Sea	Two	DD	1	80	Aug 6, 2016 12:00:00 AM	Mar 1, 2017 12:00:00 AM	
3	Fantastic Beasts and Where to Find Them	One	AA	1	143	Dec 20, 2016 12:00:00 AM	Mar 7, 2017 12:00:00 AM	
4	Ghost in the Shell	One	AA	2	420	Nov 15, 2016 12:00:00 AM	Feb 15, 2017 12:00:00 AM	
5	Manchester by the Sea	Two	EE	1	90	Aug 6, 2016 12:00:00 AM	Mar 1, 2017 12:00:00 AM	

Items per page:

5

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Page: 1

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Settings

Movies	Seances	Ratings	Settings	Logout
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☒ Change settings

Start time: :

Last time: :

Cleaning time (min):

Minutes before seance:


User view

Movies

Schedule

Sort byIMDBFilter by movie's title


IMDB



Ghost in the Shell
A cyborg policewoman attempts to bring down a nefarious computer hacker.
IMDB: 9.0
Duration: 86 min
Estimated price: 93

06-02-2017 15:00
One

07-02-2017 12:00
One



Beauty and the Beast
An adaptation of the classic fairy-tale about a monstrous prince and a young woman who fall in love.
IMDB: 7.0
Duration: 110 min
Estimated price: 148

06-02-2017 17:00
Two

03-02-2017 10:00
One

04-02-2017 10:00
One

05-02-2017 10:00

Movies


Schedule

Filter by DayFilter by hallFilter by movie's name


Available seances

All halls


Reset Filter



Beauty and the Beast
Date: Fri, 3 Feb
Time: 10:00:00



Oz the Great and Powerful
Date: Fri, 3 Feb
Time: 14:00:00




The Lone Ranger
Date: Fri, 3 Feb
Time: 17:00:00

Booking

Movies

Schedule



Oz the Great and Powerful
Date: Fri, 3 Feb
Time: 14:00:00
Hall: One
Price the blue zone: 380
Price the pink zone: 330
Price the red zone: 280

Total price: 660

11	12	13	14	15	16	17	18	19	110
21	22	23	24	25	26	27	28	29	210
31	32	33	34	35	36	37	38	39	310
41	42	43	44	45	46	47	48	49	410
51	52	53	54	55	56	57	58	59	510
61	62	63	64	65	66	67	68	69	610
71	72	73	74	75	76	77	78	79	710
81	82	83	84	85	86	87	88	89	810
91	92	93	94	95	96	97	98	99	910

Book

Enter your email: + ×

Confirm

Total price: 660

Cashier

Schedule

Payment confirmation

Logo



Find tickets

<input type="checkbox"/>	Code	Seance	Place	Price	Email	Paid
<input type="checkbox"/>	1 117	Oz the Great and Powerful 14:00 03 Feb Hall: One	Number: 5 Row: 3 Zone: AA	380	gbghk@...	false
<input type="checkbox"/>	1 117	Oz the Great and Powerful 14:00 03 Feb Hall: One	Number: 5 Row: 7 Zone: CC	280	gbghk@...	false

Sell tickets

Print tickets

Total price:

Thank you
for attention!