

1DV508

Analysis document

Project Course in Computer Science

Group 8

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Contents

<u>Introduction</u>	<u>3</u>
<u>1. Revision History</u>	<u>3</u>
<u>2. Products List</u>	<u>3</u>
<u>3. System Requirements</u>	<u>4</u>
<u>3.1 General requirements</u>	<u>4</u>
<u>3.2 Customer mode requirements</u>	<u>4</u>
<u>3.3 Administrator mode requirements</u>	<u>5</u>
<u>3.4 Non functional requirements</u>	<u>6</u>
<u>4. User Case Diagram</u>	<u>6</u>
<u>4.1 User Case Description</u>	<u>7</u>
<u>4.1.1 Movies</u>	<u>7</u>
<u>4.1.2 Basket</u>	<u>9</u>
<u>4.1.3 Orders</u>	<u>10</u>
<u>4.1.4 Accounts</u>	<u>11</u>

Introduction

Click-play web shop is a website that sell box-packed movies online. The aim of this document is to explain the details and plans of the system requirements. This document will guide a developer of this web shop to design and implement the system. The website should run and show quickly and clearly so that customers can see and buy movies easier than in physical stores.

1.Revision history

Date	Version	Description	Author
2016-04-18	1.4	Adding missing requirements and intro	Seldin Music
2016-04-19	1.5	Modifying requirements	Seldin Music
2016-04-24	1.5.1	Minor tweaks	Seldin Music
2016-05-01	1.5.2	Add interface image	Xingchen Lu
2016-05-03	1.6	Improve the structure	Xingchen Lu

2.Products List

We will be selling boxed movies to our devoted fans who still appreciates to have a physical product rather than digital one. The main purpose of the this project is to establish a well-designed web store where a customer can visit and order a movie.

The customer will not be required to create an account in order to make orders. The customer will be able to brows our items by searching by category, searching for a specific movie or just see all available movies. Once a movie has been selected more information related to that movie will be shown and at this point the customer will be able to add that movie to the shopping basket. When the customer is ready to make the order the shopping basket icon will be the place to proceed. Once in the shopping basket the customer will be able tho change quantity of the selected movies or remove any movies. Customer will have to submit some contact information to proceed with the order. Once the order has been completed an order number will be displayed and an email will be sent out to the customer with related information. The customer will be able to lock up there order by submitting the order number on selecting orders icon.

The admin will need to log in to gain access to the administrative system of the web shop. Once logged in the admin will be able to manage other admin accounts, manage orders and manage movies. Once admin icon has been selected one will be able to see all active admin accounts. Once one has been selected password will be able to to change and ability to remove an account. Once orders has been selected there will be a possibility to change some contact information a related to the selected order and changing the order status of the order. Once movies has been selected, the ability to modify a specific movie. There will also be possible to add a new movie and remove an existing movie.

3. System Requirements

Note the letter a behind the ID tag stands for anchored. It means it has been anchored to the deliveries document.

3.1 General requirements:

ID	Requirements
1.3a	The web shop will contain any number of items.
1.4a	All information relating the movies will be store in a database.
1.5a	Every movie will have a title.
1.6a	Every movie will belong to at least one category.
1.7a	Every movie will have quantity, to see if movie is in stock.
1.8a	Every movie will have a price.
1.9a	Every movie will have a description.
1.10a	Every movie will have an image.

3.2 Customer mode requirements:

ID	Requirements
2.1a	The web shops logo will be present at all time at the top left corner. It will act as the main way to return to the main homepage.
2.2a	A search box will be present at all times on the top of the web shop.
2.3a	The customer will be able to search for a move by typing it's name.
2.4a	The customer will be able to see all movies for sale by pressing all movies icon.
2.5a	The customer will be able to search movies by category by clicking on icons with category names.
2.6a	Once a movie has been selected, title, category, quantity, price, description and description will be shown.
2.7a	Customers will be able to view shopping basket.
2.8a	Customers will be able to look up there order status.
2.9a	Customers will be able to brows around the web shop.
2.10a	The customer will be able to add a movie to the shopping basket.
2.11a	The customer shall be able to view the selected movies in the shopping Basket.
2.12a	It will be possible to change the quantity of the selected movies in the shopping Basket.
2.13a	It will be possible to remove movies from shopping basket

2.14a	The final price will be updated on modifying any item's in the shopping basket.
2.15a	The customer must fill in his/her contact information to finalize the purchase.
2.16a	The customer will receive an order number after confirming the purchase.
2.17a	The customer will be able to use the received order number on clicking the orders icon.
2.18a	Once order number has been submitted it will show the order information. First and last name, email, phone number will be blurred out.

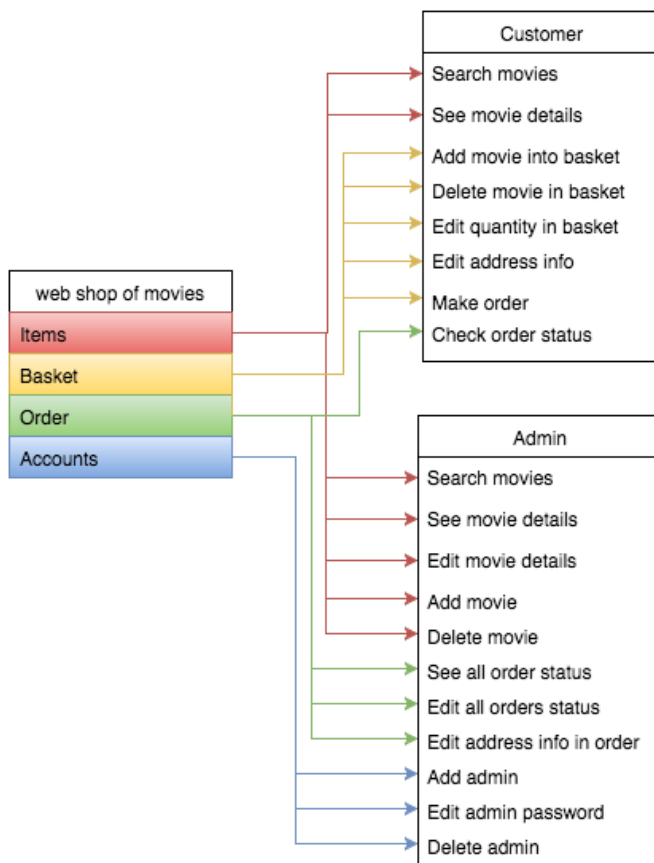
3.3 Administrator mode requirements:

ID	Requirements
3.1a	The admin must authenticate to gain access to the administrative system.
3.2a	The authentication must be done by providing a valid user name and password.
3.3a	Admin accounts and passwords will be stored in a database.
3.4a	Once the admin has been logged in the admin tool set will be shown.
3.5a	When a customer places an order, the order will be added to the database and the quantity of the ordered products will be updated in the web shop.
3.6a	In the Admin system it will be possible to add a new movie.
3.7a	In the Admin system it will be possible to remove a movie.
3.8a	In the Admin system it will be possible to change information about a movie.
3.9a	In the Admin system it will be possible to manage deliveries (i.e. update the quantity of items).
3.10a	In the Admin system it will be possible to add a new administrator account.
3.11a	In the Admin system it will be possible to remove an administrator account.
3.12a	In the Admin system it will be possible to add a new product category.
3.13a	In the Admin system it will be possible to view all orders.
3.14a	In the Admin system it will be possible to update an order.
3.15a	Each order will have a status: New, Delayed or Shipped.
3.16a	The admin will be able to update the order status manually.
3.17a	Admin will have same search functionality as customer.
3.18a	Change contact information(in case customer need to change an order). All field has to be filled to commit the update.
3.19a	Remove or update quantity of one movie.
3.20a	After an update of movie has been made the price needs to be updated.

3.4 Non functional requirements

ID	Requirements
4.1	The web shop is going to respond within a maximum of 3 seconds.
4.2	Security will be held up by the admin authentication and data validation.
4.3	The web shop web application will be testable.
4.4	All documentation will have revision information.
4.5	The user will receive some kind of error message if some process goes not as intended.
4.6	Reliability will be enforced by testing the code.
4.7	The customer should be able to add movies and remove items from the shopping basket without getting confused.
4.8	Making an order should not take more then 5 clicks.
4.9	Looking up an order number should be informative.
4.10	The web shop will have a unified look and feel.

4. Use case Diagram



4.1 User case Description

4.1.1 Movies

1) Search movies

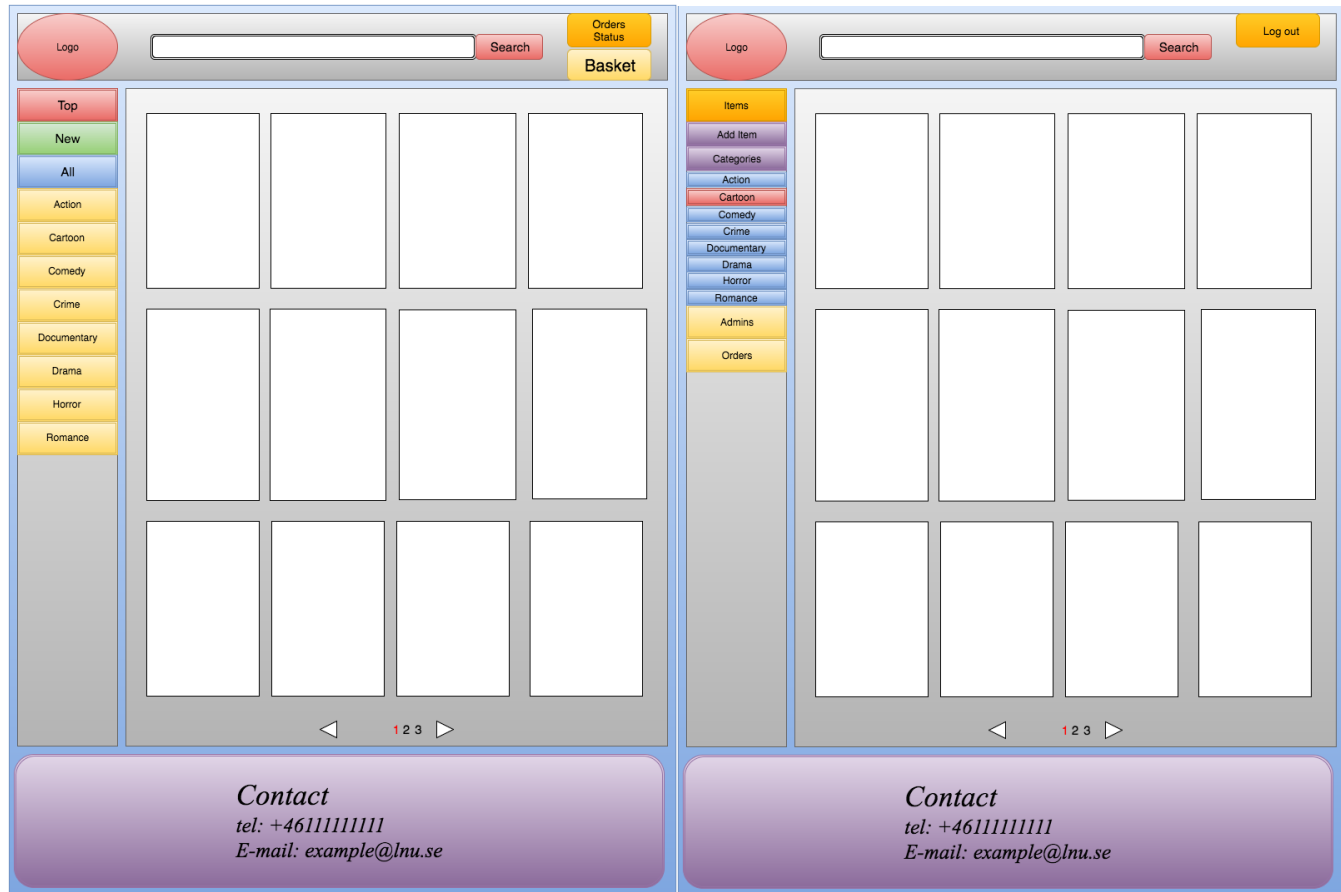
Actor: customer and admin

Task: Search for any movie available in the system.

Comments: A user should get any movie he/she searches on the search bar by a name. If a movie is not in stock, it can also be found.

Customers:

Admins:



2) Movie details

Actor: Customer and admin

Task: See movie details and edit.

Comments: Customers can only see the details and add it to the basket. Admins can see and edit details by an edit mode button.

Customers:

The customer view shows a movie detail page for 'Deadpool'. The layout includes a top navigation bar with a logo, search bar, and links for 'Orders Status' and 'Basket'. A left sidebar contains category filters: Hot, New, All, Action, Cartoon, Comedy, Crime, Documentary, Drama, Horror, and Romance. The main content area features a large yellow header with the title 'Deadpool', a placeholder for an image, and a list of details: Date: 20xx, Length: xxx mins, Origin: Sweden, Director: XXXX XXXXX, Actor: XXXX XXXXXXX, XXXX XXXXXXX, XXXX XXXXXXX, XXXX XXXXXXX, Price: 120kr. Below this, it indicates 'In Stock! (2 Available)' and has an 'Add to Basket' button. A description box shows 'Category: Comedy Adventure' and 'Description..'. A trailer placeholder is at the bottom. The footer contains contact information: 'Contact', 'tel: +4611111111', and 'E-mail: example@lnu.se'.

Admins:

The admin view shows the same movie detail page for 'Deadpool' but with an edit mode. The top navigation bar includes a 'Log out' button. The left sidebar has links for 'Items', 'Add Item', 'Categories', 'Admins', and 'Orders'. The main content area displays the movie title 'Deadpool' with a poster image. The details section is a form with fields for Title, Date (2016-02-12), Length (108 mins), Origin (United States), Director(s) (Tim Miller), Actor(s) (Ryan Reynolds, Morena Baccarin, Ed Skrein, T. J. Miller), Quantity (80), and Price (189 kr). Below the form is a 'Category: Action' section with a description: 'A former Special Forces operative turned mercenary is subjected to a rogue experiment that leaves him with accelerated healing powers, adopting the alterego Deadpool.' At the bottom right are 'Confirm' and 'Cancel' buttons. The footer contains the same contact information as the customer view.

4.1.2 Basket




Actor: Customers

Task: Customers can add movie, delete movie, edit quantity, edit delivery address, contact information and make order in the basket.

Comments: The basket will show all details of the future order show in the image below. If the customer change any item's details, refresh the page. If the contact info is not completed and the customer press the make order button, there will be a warning, and the page will not change.

Logo Search Orders Status Basket

Order Details

Item	Quantity	Price
 <input type="text" value="Name of the film"/>	1	99 SEK X
 <input type="text" value="Name of the film"/>	1	120 SEK X
 <input type="text" value="Name of the film"/>	1	60 SEK X

Addresses

Payment Method

☐ Method 1

☐ Method 2

☐ Method 3

Order Summary

Merchandise Subtotal.....279 SEK

Shipping.....70 SEK

Duties & Taxes(include).....166 SEK

Order Total

349 SEK

Make Order and Pay

Contact

tel: +4611111111

E-mail: example@lnu.se

4.1.3 Orders

Actor: Customers and Admin

Task: View orders, orders detail, change order status.

Comments: Customers can only view orders, they cannot change any details in a numbered order, and the middle part of the addresses information is hide. Admin can see completed information, and change addresses information and order status. The quantity cannot be change. Items cannot be delete. The price cannot be change.

Customers:

Admins:

The image displays two side-by-side screenshots of a web application interface for viewing order details. Both screenshots show an order for #0000001.

Customer View (Left):

- Header:** Logo, Search bar, Orders Status, Basket.
- Left Sidebar:** Top, New, All, Action, Cartoon, Comedy, Crime, Documentary, Drama, Horror, Romance.
- Order Items:** A table with columns Item, Quantity, and Price. It lists three items: a film (99 SEK), another film (120 SEK), and a third item (60 SEK).
- Addresses:** Fields for First Name, Second Name, Address, Mobile Number, Zip code, E-mail Address, and Country.
- Status:** Radio buttons for Confirmed (selected), Complete, On Delivery, and Cancel.
- Order Summary:** Merchandise Subtotal (279 SEK), Shipping (70 SEK), Duties & Taxes (166 SEK), and Order Total (349 SEK).
- Buttons:** Contact to change, Back.

Admin View (Right):

- Header:** Logo, Search bar, Log out.
- Left Sidebar:** Items, Admins, Orders.
- Order Items:** Same as the customer view.
- Addresses:** Same as the customer view.
- Change Status:** Radio buttons for Confirmed (selected), Complete, On Delivery, and Cancel.
- Order Summary:** Same as the customer view.
- Buttons:** Confirm, Cancel.

Contact Information (Bottom):

Contact
tel: +4611111111
E-mail: example@lmu.se

4.1.4 Accounts

Actor: Admin

Task: Add, delete, edit admin accounts.

Comments: If an admin press delete for another admin, the first admin should put in the password of the second admin. (we are not decide whether there is a master admin or not.)

Accounts:

Edit/add accounts:

The image displays two screenshots of a web application interface, likely for managing admin accounts.

Left Screenshot (Accounts List):

- Top Bar:** Contains a "Logo" button, a search input field with a "Search" button, and a "Log Out" button.
- Left Sidebar:** Contains navigation links: "Items", "Admins" (highlighted), "Add Admin", and "Orders".
- Main Content Area:** Displays a list of admin accounts. Each entry includes the admin name (Admin1 to Admin7), the last modified date (2016-04-09, 14:15), an "Edit" button, and a red "X" icon (likely for delete).
- Bottom Bar:** Contains contact information: "Contact", "tel: +4611111111", and "E-mail: example@lnu.se".

Right Screenshot (Modify Admin2 Form):

- Top Bar:** Identical to the left screenshot.
- Left Sidebar:** Identical to the left screenshot.
- Main Content Area:** Displays the "Modify Admin2" form. It includes fields for "Password" and "Re-enter Password", and "Confirm" and "Cancel" buttons.
- Bottom Bar:** Identical to the left screenshot.