Analysis document

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

Products List: We will be selling boxed movies to our devoted fans who still appreciates to have a physical product rather then 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 movies.

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 a 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 an new movie and remove an existing movie.

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

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.

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 webshop.
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.

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 webshop.
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 maually.
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.

<u>Non functional requirements</u>

ID	Requirements
4.1	The webshop 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 webshop 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 webshop will have a unified look and feel.