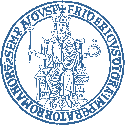
**Event**

**Manager**

**2017**

Web Documentation

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Università degli Studi di Napoli Federico II – Corso di laurea di Scienze Informatiche

Software Engineering Project

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**Group INGSW2017\_24**

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# **Requirements Analysis Document**

1.1. Requirements Elicitation

* **INTERVIEW n.1**

STAKEHOLDER: Prof. Sergio Di Martino

The system provides a website, which has only one language displayed, without any assistance/FAQ area, just some links to social profiles. Such website shows various lists of events, filtered by their category. The user can search for a specific event, artist or a place. Events are shown in a list with their title, image and price, more details can be found once the user clicks on the event. If an event gets delayed or cancelled, all the people who bought a ticket for it must be advised. If an event gets fully booked, it keeps being showed (in a different section) but cannot be bought.

Any customer can browse the website and check the events, but cannot buy any of them until he logs in. If a customer is not registered, he has to do it by clicking the “Sign in” button and filling the fields. Such fields are: Name, Surname, email, Password and Check Password, then a reCaptcha must be checked and the customer can choose if to subscribe to the newsletter. Alternatively, a user can choose to register (and to login) with socials (Twitter, Facebook or Google+). Each user can buy only one ticket per time, then an email with the ticket’s details and QR code is sent to him. This occurs for each ticket bought by any user, without keeping trace of who bought it. The payment is done via external bank service. Once the payment is done, the customer cannot refund any ticket.

* **INTERVIEW n.2**

STAKEHOLDER: Prof. Sergio Di Martino

Mokups have been discussed and accepted by the committer. It is important for the website to be usable and pleasant to see.

1.2 Requirement Analysis

1.2.1 Use case diagram

<<Extends>>

<<Extends>>

Customer Bank

1.2.2 Use Case Description (Cockburn’s template)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| #1 | SIGN IN |  |  |  |
| *Goal in context* | The customer signs in successfully | | | | |
| *Success End Condition* | The customer succeeds to sign in | | | | |
| *Fail End Condition* | The costumer fails to sign in | | | | |
| *Primary actor* | Customer | | | | |
| *Trigger* | The customer presses the “sign in” button on the site | | | | |
| DESCRIPTION | **STEP N°** | **CUSTOMER** | **SYSTEM** | |
|  | 1 | Fills in the fields and validates the reCaptcha |  | |
| 2 | Presses confirm button |  | |
| 3 |  | Shows [SIGN IN SUCCESSFUL] page | |
| EXTENSION #1 | **STEP N°** | **CUSTOMER** | **SYSTEM** | |
|  | 1 | Presses social network button |  | |
| 2 |  | Redirects the user to the social network login page | |
| SUBVARIATION #1 | **STEP N°** | **CUSTOMER** | **SYSTEM** | |
|  | 1 | Fails to match password and password confirm fields |  | |
| 2 | Presses sign in |  | |
| 3 |  | Highlights wrong field, Shows a “mismatch user-password” message [REGISTRATION FILED] | |
| SUBVARIATION #2 | **STEP N°** | **CUSTOMER** | **SYSTEM** | |
|  | 1 | Inserts invalid email |  | |
| 2 | Presses sign in |  | |
| 3 |  | Highlights wrong field, Shows the same page and displays a “invalid email” message [REGISTRATION FILED] | |

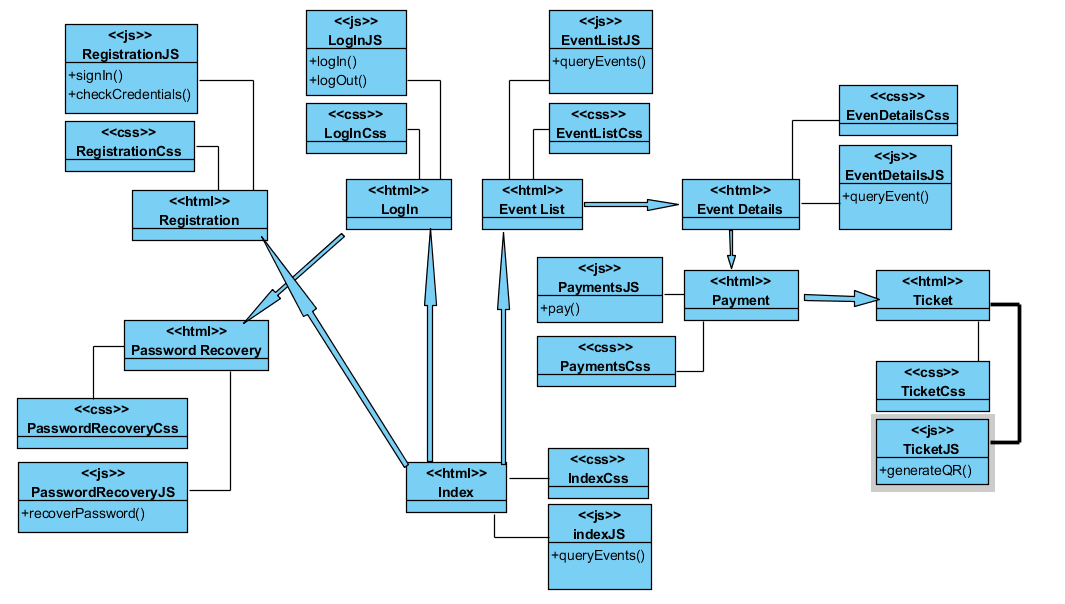
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| #2 | LOG IN |  |  |  |
| *Goal in context* | The customer logs in | | | | |
| *Success End Condition* | The customer succeeds to log in | | | | |
| *Fail End Condition* | The costumer fails to log in | | | | |
| *Primary actor* | Customer | | | | |
| *Trigger* | The customer presses the “log in” button on the site | | | | |
| DESCRIPTION | **STEP N°** | **CUSTOMER** | **SYSTEM** | |
|  | 1 | Customer fills in the email and password fields |  | |
| 2 | Presses confirm button. |  | |
| 3 |  | Shows [LOGGED] page | |
| EXTENSION #1 | **STEP N°** | **CUSTOMER** | **SYSTEM** | |
|  | 1 | Presses social networks login button |  | |
|  | 2 |  | The system redirects the user to the social network login page | |
| SUBVARIATION #1 | **STEP N°** | **CUSTOMER** | **SYSTEM** | |
|  | 1 | Fails to match password and email |  | |
| 2 | Presses log in |  | |
|  | 3 |  | Highlights wrong field, Shows the same page but displays a “mismatch user-password” message [REGISTRATION FILED] | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| #3 | BROWSE WEBSITE | | |  |
| *Goal in context* | The customer visualises event | | | | |
| *Success End Condition* | The customer succeeds to visualises event | | | | |
| *Fail End Condition* | None | | | | |
| *Primary actor* | Customer | | | | |
| *Trigger* | The customer opens the site | | | | |
| DESCRIPTION | **STEP N°** | **CUSTOMER** | **SYSTEM** | |
|  | 1 | Selects a category |  | |
| 2 |  | Shows [CATEGORIES] page | |
| 3 | Selects an event from the list |  | |
| 4 |  | Shows[EVENT] page | |
| SUBVARIATION #1 | **STEP N°** | **CUSTOMER** | **SYSTEM** | |
|  | 1 | Selects an event from those recommended on the home page |  | |
| 2 |  | Shows [EVENT] page | |
| SUBVARIATION #2 | **STEP N°** | **CUSTOMER** | **SYSTEM** | |
|  | 1 | Selects a category |  | |
|  | 2 |  | Shows [CATEGORIES] page | |
| 3 | Selects an event from the list |  | |
| 4 |  | Shows[EVENT] page | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| #4 | SEARCH | |  |  |  |
| *Goal in context* | The customer finds an event | | | | | |
| *Success End Condition* | The customer succeeds to find an event | | | | | |
| *Fail End Condition* | The costumer fails to find an event | | | | | |
| *Primary actor* | Customer | | | | | |
| *Trigger* | The customer clicks on the search bar | | | | | |
| DESCRIPTION | **STEP N°** | **CUSTOMER** | | **SYSTEM** | |
|  | 1 | Write something on the search bar | |  | |
| 2 | Presses enter | |  | |
| 3 |  | | Shows [FIND RESULT] page | |
| 4 | Selects an event from the list | |  | |
| 5 |  | | Shows[EVENT] page | |
| SUBVARIATION #1 | **STEP N°** | **CUSTOMER** | | **SYSTEM** | |
|  | 1 | Writes something on the search bar | |  | |
| 2 | Presses enter | |  | |
| 3 |  | | Shows [FIND RESULT] page | |
| SUBVARIATION #1 | **STEP N°** | **CUSTOMER** | | **SYSTEM** | |
|  | 1 | Writes on the search bar | |  | |
| 2 | Presses enter | |  | |
| 3 |  | | Shows [RESEARCH ERROR] page | |

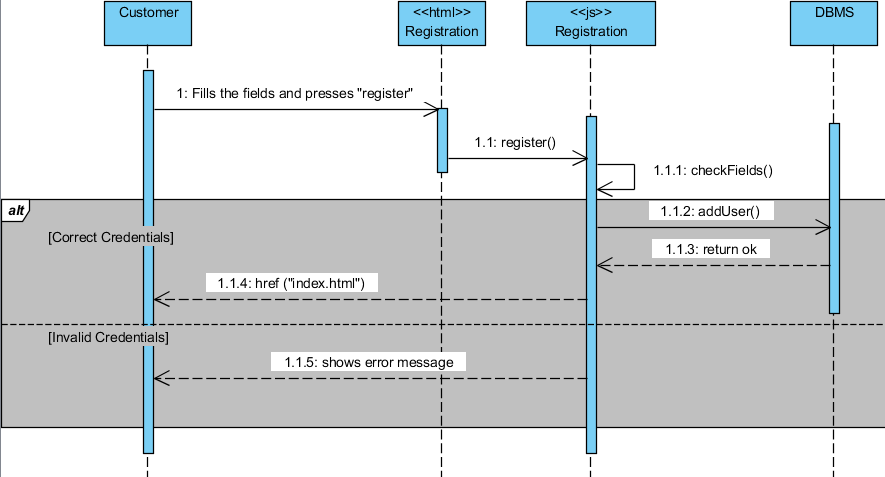
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| #5 | BUY TICKET | |  |  |  |
| *Goal in context* | The customer buys a ticket | | | | | |
| *Success End Condition* | The customer succeeds to buy a ticket | | | | | |
| *Fail End Condition* | The costumer fails to buy a ticket | | | | | |
| *Primary actor* | Customer | | | | | |
| *Trigger* | The customer clicks on “buy” button in [EVENT] page | | | | | |
| DESCRIPTION | **STEP N°** | **CUSTOMER** | | **SYSTEM** | |
|  | 1 | Clicks on “buy” button | |  | |
| 2 |  | | Shows payment page [PURCHASE] | |
| 3 | Fills in correctly all the fields | |  | |
| 4 |  | | Shows the ticket with event’s information and the QR [PURCHASE SUCCESSFUL] | |
| SUBVARIATION #1 | **STEP N°** | **CUSTOMER** | | **SYSTEM** | |
|  | 2 |  | | If the user is not logged in, shows log in page [LOGIN] | |
| SUBVARIATION #2 | **STEP N°** | **CUSTOMER** | | **SYSTEM** | |
|  | 3 | Insert wrong payment data | |  | |
| 4 |  | | Highlights the wrong filled fields, showing the error | |

* 1. Analysis Class Diagram

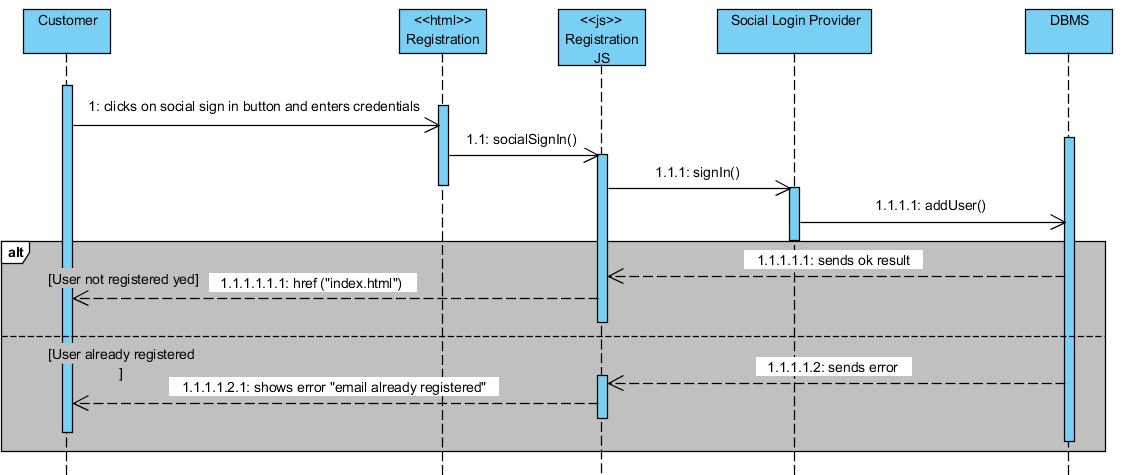


* 1. Analysis Sequence Diagram

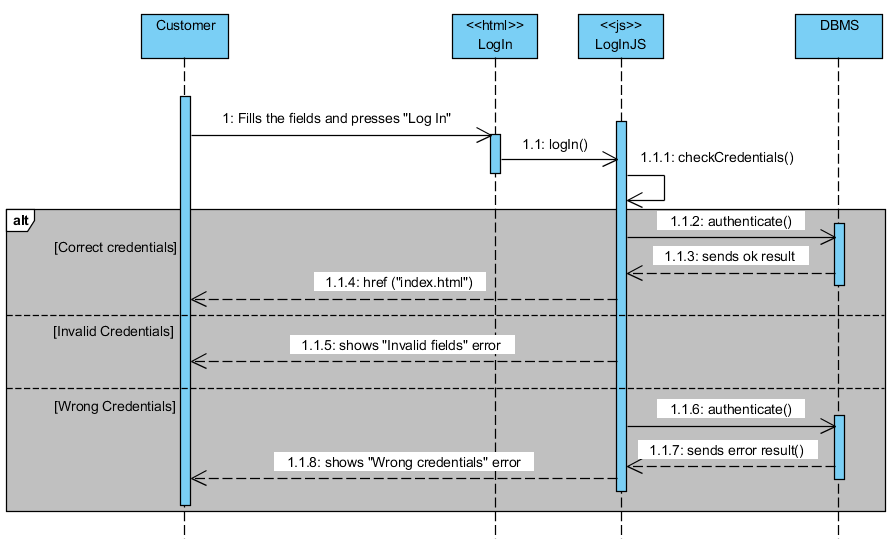
1.4.1. Sign In Class Diagram



1.4.1.1. Sign In with Social Class Diagram



1.4.2. Log In Class Diagram



1.4.2.1. Log In with Social Class Diagram