Functional Design Business

Stenden Events

NHL Stenden Hogeschool

Group E
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Table of Contents

Chapter 1: Introduction

A functional design is a module that simplifies explanations of the design of hardware and software. It is concerned with what the product should be able to do rather than how that is done. This can also include the capabilities, appearance and interactions.

Its aim is to give the user helpful information on how the information system works but also how it looks and operates. It will provide the technical designers and (or) programmers with helpful information as well as giving a solid understanding to the client of how the product works.

Project group E from the University of NHL Stenden is put to the task to make an event planer website for our client Rob Smit and the NHL Stenden.

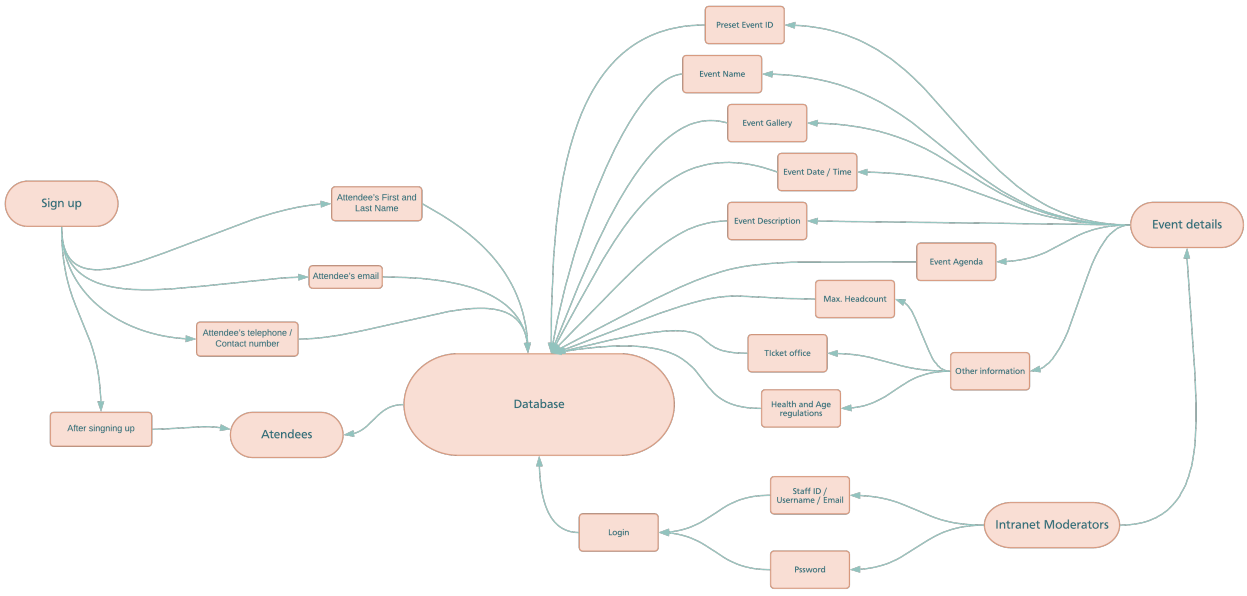
NHL Stenden University of applied sciences is one of the Netherlands biggest Universities, with campuses spread across multiple cities. NHL Stenden covers both International and national courses in all branches imaginable.

Reasoning for making this event planer website is to make it easier for the NHL Stenden and our Client Rob to promote and sell tickets for their events online. Our client Rob has stated his demands for the website and project group E will have no problem to fulfil his wishes. All technical information about the website will be found among the chapters.

Chapter 2: Description of the New System

The system will promote and advertise events by the NHL Stenden Hogeschool. The intranet will have a 70's theme. In the intranet, the user will be able to find information for events. Here they will also be able to sign up for the events with their email, name, and other details. The user will also be able to sign up for these events. The page will have a gallery for all of the pictures that were shot at the events.

There will be a login page for the moderators where they can input their login information such as email and password. Adding information to the system will be done by them, they will update the intranet with new events and pictures. The moderators will need to add information such as the name of the event, when it will take place, where it will take place, what it is, and more.

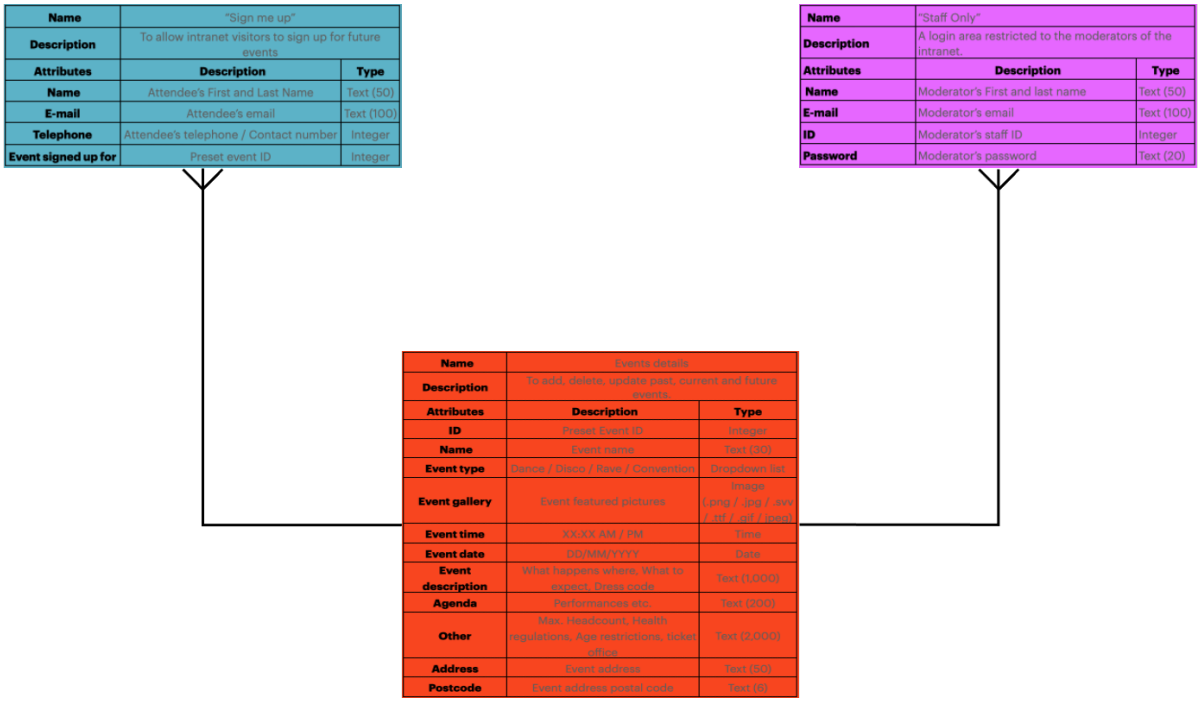


Chapter 3: Datamodel

Name	“Sign me up”	
Description	To allow intranet visitors to sign up for future events	
Attributes	**Description**	**Type**
Name	Attendee’s First and Last Name	Text (50)
E-mail	Attendee’s email	Text (100)
Telephone	Attendee’s telephone / Contact number	Integer
Event signed up for	Preset event ID	Integer

Name	Events details	
Description	To add, delete, update past, current and future events.	
Attributes	**Description**	**Type**
ID	Preset Event ID	Integer
Name	Event name	Text (30)
Event type	Dance / Disco / Rave / Convention	Dropdown list
Event gallery	Event featured pictures	Image (.png / .jpg / .svv / .ttf / .gif / jpeg)
Event time	XX:XX AM / PM	Time
Event date	DD/MM/YYYY	Date
Event description	What happens where, What to expect, Dress code	Text (1,000)
Agenda	Performances etc.	Text (200)
Other	Max. Headcount, Health regulations, Age restrictions, ticket office	Text (2,000)
Address	Event address	Text (50)
Postcode	Event address postal code	Text (6)

Name	“Staff Only”	
Description	A login area restricted to the moderators of the intranet.	
Attributes	**Description**	**Type**
Name	Moderator’s First and last name	Text (50)
E-mail	Moderator’s email	Text (100)
ID	Moderator’s staff ID	Integer
Password	Moderator’s password	Text (20)



Chapter 4: Desired Output

Code output product	**Overview 0001**
Name	Overview future events
User	Everyone that has access to the intranet
Objective	This information shows which events are to come and what kind of event it will be.
Frequency	Estimated 200 times per day
Sorting	First one first, then further into the future below.
Selection	10 events per page
Data to be printed	(Per event) Event name Date of event Location of event Picture of event Short info about event Artist performing at event (if applicable)

Code output product	**Overview 0002**
Name	Overview past events
User	Everyone that has access to the intranet
Objective	This information shows which events have happened and what kind of event it was.
Frequency	Estimated 100 times per day
Sorting	Newest first, oldest last.
Selection	10 events per page
Data to be printed	(Per event) Event name Picture of event Short info about event Artist performing at event (if applicable) Date of event Location of event

Code output product	**Event 0003**
Name	Future event
User	Everyone that has access to the intranet
Objective	This shows information about the event in detail.
Frequency	Estimated 100 times per day
Data to be printed	Event name Event Date Event location Picture of event All info about event (where to buy tickets (If applicable), age requirements, food/drinks, etc.) Artist performing at event (if applicable)

Code output product	**Event 0004**
Name	Past event
User	Everyone that has access to the intranet
Objective	This shows information about the even in detail
Frequency	Estimated 10 times per day
Data to be printed	Event name Event Date Event location Picture of event All info about event (where to buy tickets (If applicable), age requirements, food/drinks, etc.) Artist performing at event (if applicable)

Code output product	**Gallery 0005**
Name	Gallery
User	Everyone that has access to the intranet
Objective	This information shows which events are to come and what kind of event it will be.
Frequency	Estimated 200 times per day
Data to be printed	Pictures of events (the pictures link to the event where the picture was taken.) Name of the event (when hovering over picture.)

Code output product	**Edit page 0006**
Name	Add and/or edit events.
User	Moderators (“The Guy”)
Objective	Page where moderators can add events and pictures, but also add pictures to other events.
Frequency	Estimated 100 times per day
Data to be printed	Input boxes: Event name: Event short description: Event long information: Event location: Event date: Event time:

Chapter 5: Required Input

The table below this paragraph defines and describes the input structure and its requirements. It also describes the user functionality that can input information in the database as well as the information that is allowed to be displayed. Furthermore, it informs the user on the equipment required to use the 70's themed disco intranet and its input system.

Input task	**001**
Name	"Sign me up"
Authorization	All users
Objective	To allow intranet visitors to sign up for future events

Description	- Provides an area to input data such as:
	  - The user's name
	  - The user's email address
	  - The user's date of birth
	  - The user's telephone / contact number

Frequency	Roughly 1,800 uses per event
Files	- The user's name - The user's email address - The user's date of birth - The user's telephone / contact number - Date of event(s)
Equipment required	A computer/mobile phone with internet access

Input task	**002**
Name	Events details
Authorization	Intranet moderators
Objective	To add, delete, update past, current and future events.

Description	- Provides an area to input the following data:
	  - Event Type
	  - Event Gallery
	  - Event information (brief)
	  - Event name
	  - Event dates
	  - Event times
	  - Location etc.
	  - Event Information (detailed)
	  - Event name
	  - Event dates
	  - Event times
	  - Location etc.
	  - Event Description
	  - Agenda (performances etc.)
	  - Max. Headcount
	  - Health regulations (COVID-19)
	  - Age regulations
	  - Ticket office (Ticket price, digital ticket)
	  - General Information (Food, drinks etc.)

Frequency	Once (1) every event, roughly 10 times a week

Files	- Event Information (detailed)
	  - Event name
	  - Event dates
	  - Event times
	  - Location etc.
	  - Event Description
	  - Agenda (performances etc.)
	  - Max. Headcount
	  - Health regulations (COVID-19)
	  - Age regulations
	  - Ticket office (Ticket price, digital ticket)
	  - General Information (Food, drinks etc.)

Equipment required	A computer with internet access, administrative permissions

Input task	**003**
Name	“Staff only”
Authorization	Intranet moderators
Objective	A login area restricted to the moderators of the intranet.
Description	- Provides an area to input the following: - Login page
Frequency	Once (1) every event, roughly 10 times a week

Files	- Moderator’s login information
	  - Username / email / Staff ID
	  - Password

Equipment required	A computer with internet access

Chapter 6: Menu structure and Authorisation

Menu structure and Authorisation The table under this paragraph schematically shows the menu structure and authorisation.

Staff are the people who work for the organisation dealing with updating the page. Therefore they need to be able to edit the page and add more data.

Users are the people who need to be able to access the system, these are people such as supervisors, students, and organisation representatives.

When users are not logged in, they will not have access to the system.

Page	Staff	User (Logged in)
Home page	R,W	R
Register page	R,W	R,W
Contact Details	R,W,U	R,W
Event Info	R,W,U,D	R
Event Gallery	R,W,U,D	R
Staff Login page	R,W	-

Legend:

- R -> Read (User can view the contents of the page but cannot make changes)
- W -> Write (User can view and make changes to some fields of the Intranet, with administrator authorisation)
- U -> Update (User can update most of the data provided, with administrator authorisation)
- D -> Delete (User can delete most data, with administrator authorisation)

Chapter 7: Organisational Consequences

In order for the event planner intranet to be implemented, some actions must be taken. These are some of the required/ recommended items needed for the intranet.

1. The system will require a server/computer to run on.
2. The server/computer must be connected to a local network or the internet.
3. A UPS (Uninterrupted power supply) to ensure that the server will not fail unexpectedly due to power outages.
4. An external storage device should be in place to make regular updates. Preferably multiple backups to prevent data from being lost of the drive gets corrupted.

How will the system be tested?

The code and system will be tested and reviewed through the development software.
The website will mostly get tested by students who will get a preview of the system. We will then get a good response from the real audience.

The testing will be conducted on a complete integrated system to properly evaluate the system's compliance and its specified requirements. System testing takes, as its input, all of the integrated components that have passed integration testings as Reliability Testing, Security Testing and Documentation Testing.

How will the system be implemented?

Implementing the system involves the process of ensuring that the information system is fully operational through stages such as file conversion and management, mid/post-implementation

evaluation review and testing as well as system maintenance and enhancement.

Objectives:

1. Determine success of project
2. Identity the benefits the system has
3. Determine strengths and weaknesses

Which training courses are expected for the end user?

The intranet is designed so that the user does not require any prior knowledge about the system.

Chapter 8: Technical Consequences

For a new system to be implemented. Some technological changes may be required. This will depend on what type of Technology the client already has. The product will not have high-tech requirements since they are not necessary. The requirements are:

-A computer or server with software to run the system.

-A computer/server that has 8GB of RAM (Could use less) and an entry level CPU.

-A network for the server to run on.

Good internet is recommended if the intranet should be accessible from outside of the network it is running in.

-UPS, Uninterrupted power supply is recommended (In case of power outage.)

Backup Facilities

Recommended: A simple hard drive capable of storing at least 1TB of data to ensure future-proofing.

Personal information:

Sensitive user data such as phone numbers, email addresses and personal information will be retained, this is to be encrypted so the users information may be stored safely.

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