Final report
Easy Link Keeper

Jort van Gorkum - 6142834
Niek Geijtenbeek - 6214096
Tijmen van der Spijk - 6241514
Madio Seck - 5921902
Vince van Noort - 6187021

Individual team members and general information

General information

Link to our application hosted on DigitalOcean:
https://easylinkkeeper.nl/login (login: dummy@dummy.test, password: dummy)

Link to our source code hosted on Github:
https://github.com/vincevannoort/informatica-introductieproject/tree/develop/applicatie

Team members

Student No.	Name	Hours
6142834	Jort van Gorkum	202
6214096	Niek Geijtenbeek	204
6241514	Tijmen van der Spijk	205
5921902	Madio Seck	200
6187021	Vince van Noort	211

Information for the benefit of the judgement (judgement day, 31/01/'18)

Our algorithm explained

We created two algorithms that are both being used by the application, we named these the potential and insight formula. The real challenge when creating this algorithm was that Canon provided limited information of how they wanted this to play out, which resulted in a lot of corresponding back and forth during the creation of the algorithm. But in the end we did succeed in creating these two, and implemented them in our application to provide a some form of "progress" indication.

For more details please read the provided "formula ELK" document.
https://docs.google.com/document/d/13ufHjdKDmlbBa6u498Cvhpz0bH9c6S7ChjEN1aVW1aE/edit?usp=sharing

For a technical view of the algorithm, see:
https://github.com/vincevannoort/informatica-introductieproject/blob/develop/applicatie/app/Models/Proposal.js

What results did you achieve?

- Credential authentication
- Database to store information related to the application
- A website to access the web application
- Basic functionality, being able to overview and edit related data
- Being able to add a company and information relating to that company
- Being able to add a person of interest and information relating to that company
- Giving vital advice based on individual relationships
- Defining relationships in different tiers
- Social media links to a person of interests
- Being able to add multiple proposals and information relating to that company
- An overview of companies
- Feedback on the relationship with others
- Animated input/ output, trying to create a less linear way of input
- Adding notes to a proposal

What results did we not achieve

- Chat functionality
- Creating a warning system for conflicting information
    - We did however guide the user away from providing set information

Challenging parts that are not visible on the product

- (For most of us) learning several new languages
- Understanding theory supplied by Canon
- Working with a client
- Communication with the client
- Setting up a database
- Implementing both formulas in the code

Things we did particularly well

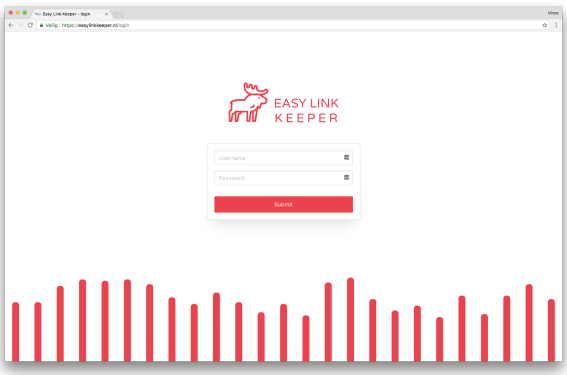
- Implementation of the algorithm of the application
- Design of the web application

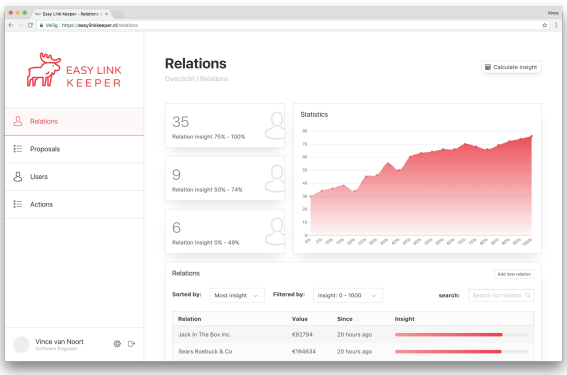
The product

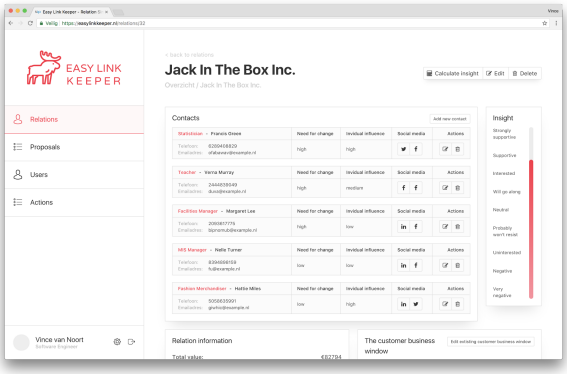
Summary of the product

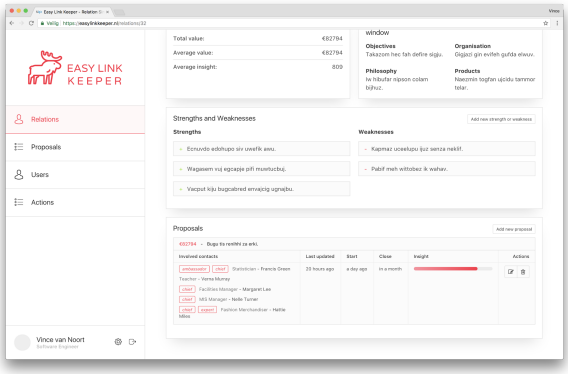
E.L.K. (Easy Link Keeper) is a web application in assignment of Canon. The function of the product is visualising and evaluating the business relationship between Canon and another company. This will improve the ease with which corporations estimate the value of a relationship with another company and estimate the chance of receiving a contract.

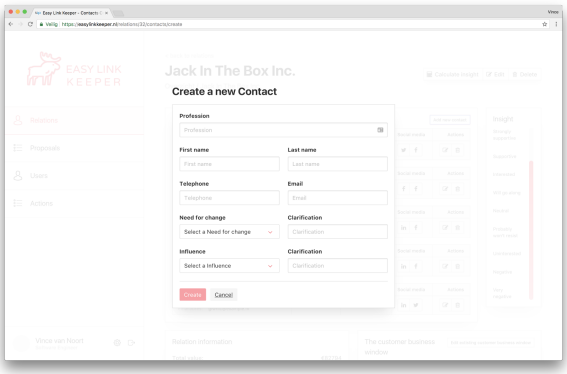
Screenshot of the product

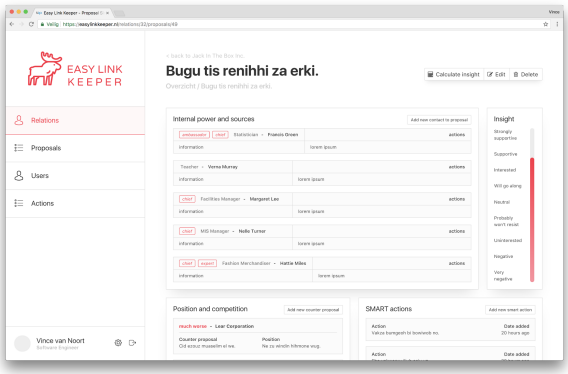


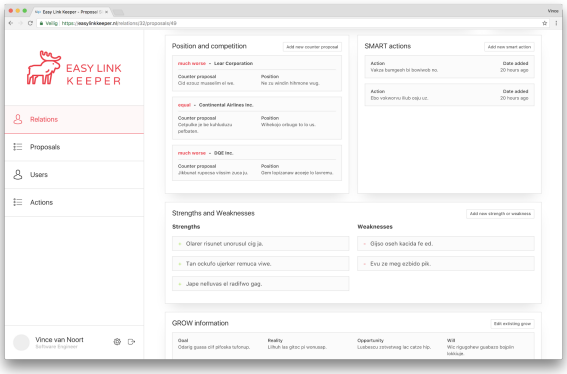


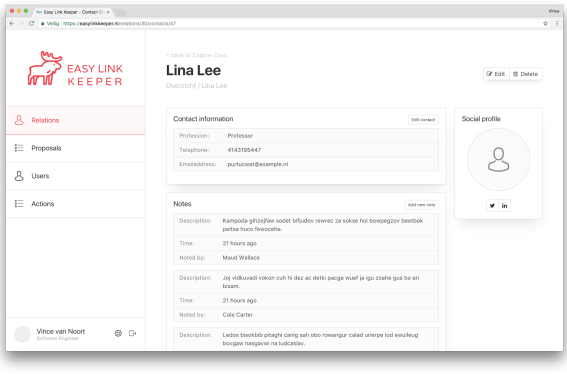

EASY LINK KEEPER
Jack In The Box Inc.
Relations
Proposals
Users
Actions
Contacts
Insight
Relation information
The customer business window
Vince van Noort


EASY LINK KEEPER
Relations
Proposals
Users
Actions
Strengths and Weaknesses
Proposals
Vince van Noort


EASY LINK KEEPER
Jack In The Box Inc.
Create a new Contact
Profession
First name
Last name
Telephone
Email
Need for change
Clarification
Influence
Create
Cancel


EASY LINK KEEPER
Bugu tis renihhi za erki.
Relations
Proposals
Users
Actions
Internal power and sources
Insight
Position and competition
SMART actions
Vince van Noort


EASY LINK KEEPER
Relations
Proposals
Users
Actions
Position and competition
SMART actions
Strengths and Weaknesses
GROW information
Vince van Noort


EASY LINK KEEPER
Lina Lee
Relations
Proposals
Users
Actions
Contact information
Social profile
Notes
Vince van Noort

Libraries used & third parties

Our product is built in NodeJS which uses javascript for the backend of the application. NodeJS has a Package Manager, called Node Package Manager which you can use to import packages. Here is a list of all our dependencies used, with explanation.

@adonisjs/ace	adonis package for commands for the cli
@adonisjs/auth	adonis package for authentication
@adonisjs/bodyparser	adonis package for parsing html
@adonisjs/cors	adonis package for cors prevention
@adonisjs/fold	adonis package for dependency injection
@adonisjs/framework	adonis package for combines all packages
@adonisjs/ignitor	adonis package for setting up project
@adonisjs/lucid	adonis package for ORM via SQL
@adonisjs/session	adonis package for session management
@adonisjs/shield	adonis package for preventing xss, csp and csrf
@adonisjs/validator	adonis package for validating data
@adonisjs/vow	adonis package for testing
@adonisjs/vow-browser	adonis package for testing in browser
animate.css	preset animations in css
axios	easy http request and responses
babel-polyfill	polyfilling ecmascript 6
balloon-css	tooltips in css
bulma	css framework
chalk	colors in console
chart.js	beautiful javascript charts
concurrently	run multiple node scripts concurrently
cross-env	consistent env files
eslint	linting javascript files
eslint-loader	linting via webpack
eslint-plugin-vue	linting inside vue files
font-awesome	icons
laravel-mix	easier webpack configuration
lodash.orderby	orderby functionality provided by lodash
minireset.css	css reset
moment	better datetime management
node-schedule	schedule task inside node
noty	notify within javascript
sqlite3	easy database within one file
vee-validate	validation within vuejs
vue	view library
vue-moment	using moment within vuejs
vue-notifications	notifications within vuejs
vue-router	router for vuejs
webpack	compiling assets