Frontend Javascript

Create a Single Page Application to edit user data based on local storage (no backend).

General requirements:

- Implemented in JavaScript using Angular.js, HTML/CSS (Bootstrap), with JavaScript tests implemented using Jasmine
- Runs in the latest version of Chrome, Firefox and Internet Explorer
- Contains documentation (in the code)
- Contatains at least one test for every controller

Specification:

- The application starts with an Overview page listing all customers
- It contains a „Customer Detail View" to create a customer and edit his profile data.
- It contains a „Navigation Data View" that shows tracking data of the customer.
- The data is stored in local storage
- Initially (if the local storage is empty), it shall be initialised with the data from Appendix 1 "Master Data Table" and "Navigation Data Table"

Overview (Initial Screen)

- Sort by "First Name" or "Last Name" by clicking on the column heading (first click: ascending, second click: descending)
- Initially sorted by "Last Name", ascending
- Optionally show the sort direction in the table heading
- "Age" is calculated from the birth date
- "Add New Customer" button goes to the "Add New Customer" view
- "Edit" goes to the "Customer Detail" view
- "Delete" deletes the customer (without asking)
- "Navi" goes to the "Navigation Data" view

Customer Overview

Add New Customer

First Name	↓ Last Name	Age	Gender	Options
Eric	Adam	44	Male	Edit Delete Navi
Christian	Cox	23	Male	Edit Delete Navi
Roxy	Fox	35	Female	Edit Delete Navi
Anna	Hopp	27	Female	Edit Delete Navi
Peter	Smith	17	Male	Edit Delete Navi

Customer Details View

- Customer ID is not editable
- "Save" saves the data, "Cancel" does not save anything, both go back to the Overview

Customer Details

Customer ID	1
First Name	Peter
Last Name	Smith
Birthday	1996-10-12
Gender	Male
Last Contact	2013-06-01
Customer Lifetime Value	191,12

Save   Cancel

Navigation Data View

- Sort by page name or timestamp by clicking on the column heading (first click: ascending, second click: descending)
- Initially sort by "Timestamp", ascending
- Optionally show the sort direction in the table heading

Navigation Data for Eric Adam

Page	↓ Timestamp
X	2013-07-08 09:19:13
A	2013-07-08 09:19:14
B	2013-07-08 09:19:15

Back To Overview

Appendix 1

Master Data Table

Customer ID	First Name	Last Name	Birthday	Gender	Last Contact	Customer Lifetime Value
1	Peter	Smith	1996-10-12	m	2013-06-01	191,12
2	Anna	Hopp	1987-05-03	w	2013-07-08	50,99
3	Christian	Cox	1991-02-21	m	2013-08-01	0
4	Roxy	Fox	1979-06-30	w	2012-01-29	213,12
5	Eric	Adam	1969-11-21	m	2013-03-18	1019,91

Navigation Data Table

Customer ID	Pages	Timestamp
1	A	2013-06-01 10:10:12
1	B	2013-06-01 10:11:12
1	A	2013-06-01 10:12:12
2	C	2013-07-08 09:03:09
2	A	2013-07-08 09:09:09
2	D	2013-07-08 09:19:09
3	B	2013-07-08 09:19:09
3	A	2013-07-08 09:19:10
4	D	2013-07-08 09:19:11
4	A	2013-07-08 09:19:12
5	X	2013-07-08 09:19:13
5	A	2013-07-08 09:19:14
5	B	2013-07-08 09:19:15