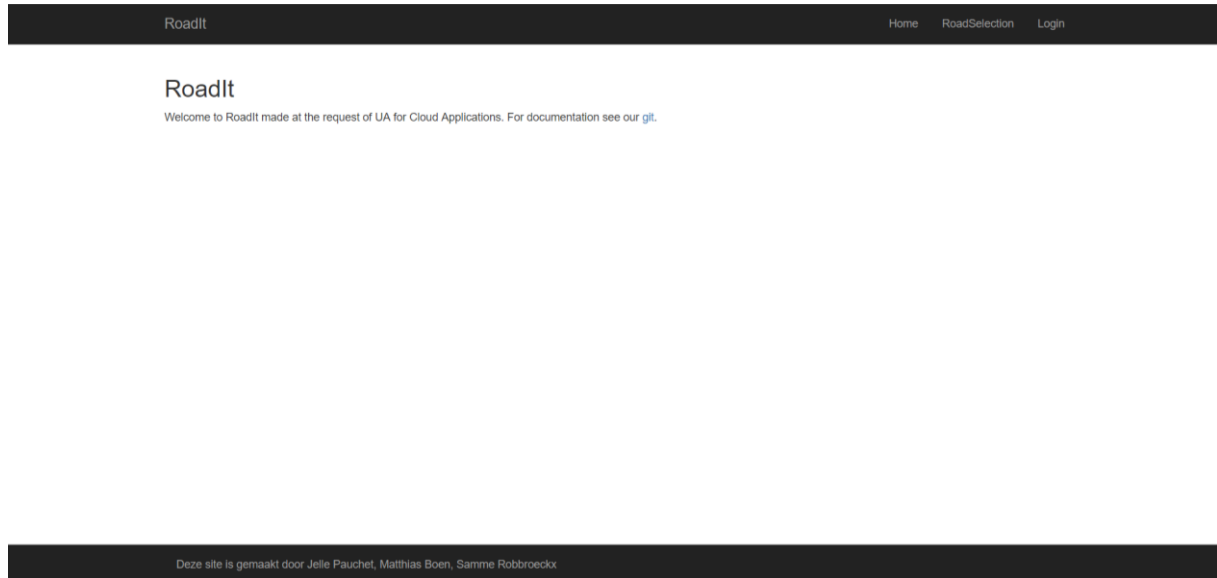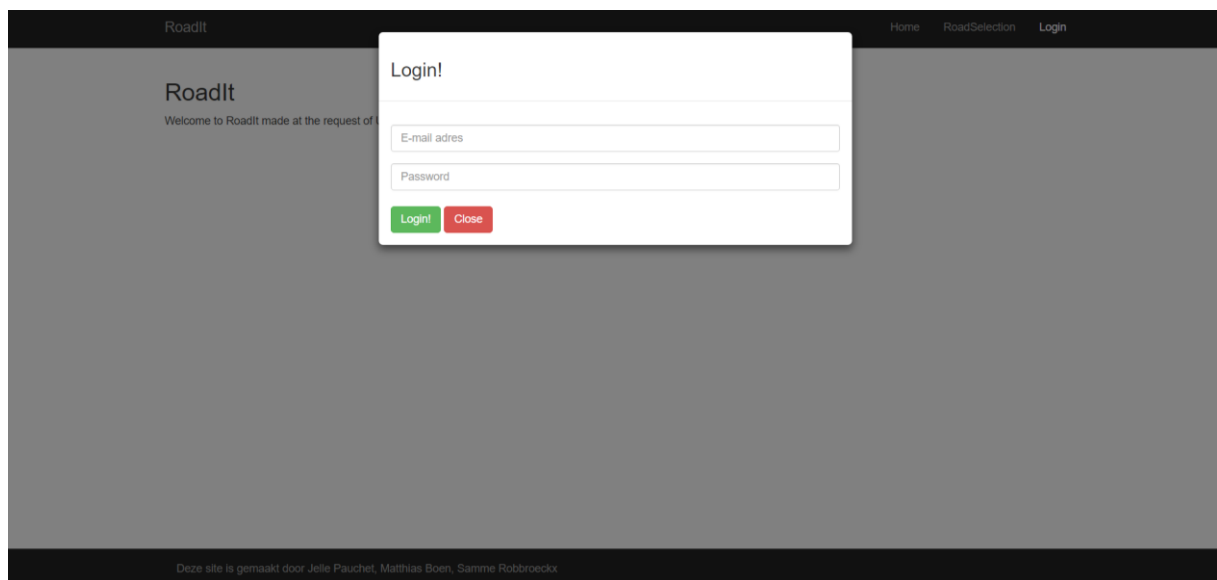# RoadIt application

When you start the application, you will arrive at the home page (see picture 1). There you can click at the "Login in" button.

Picture 1

There you can put your email and your password (see picture 2).

Picture 2

After you click on the "Login" button, you come on the road selection page (see picture 3). There you can choose witch data you want to see depending on the road section you choose.

Picture 3

After you have chosen a road section, you are automatically redirected to the report page with the information you may see (see pictures 4, 5 and 6). This is based up on your login information.

Picture 4

Transport

Truck ID	Departure Time	Mass (Ton)	Location Transport (every 30 sec)	ETA	actual temperature asphalt in truck	Arrival time at site	Time and location of attachment to finisher	Time and location of deattachment finisher	Actual position(GPS) (return)	ETA* (return)	Arrival at plant	Unforeseen stop (> 10 min)
1-sdf-513	12/10/2016 8:22:06	20000	0,651;0,651 26/10/2016 12:48:57	0,651;0,351 26/10/2016 12:55:20	75 26/10/2016 12:59:44	12/10/2016 12:15:12	12/10/2016 12:00:00 0,351;0,353	12/10/2016 13:30:16 0,351;0,651	0,613;0,651 26/10/2016 12:50:40	0,651;0,651 26/10/2016 12:55:42	12/10/2016 16:21:28	00:15:34 0,635; 0,651 26/10/2016 13:00:21

Finisher

Speed	Width	Angle Left	Angle Right	Thickness of the layer (Left)	Thickness of the layer (Middle)	Thickness of the layer (Right)	Tranverse slope	location and time of stop	precipitation	Air temperature	Wind speed	Air humidity	Asphalt temperature after finisher
10	20	25	65	45	0	45	45	0,456 ; 0,468 00:00:05 26/10/2016 12:57:35	finisher precipiation test 1	89 26/10/2016 13:00:44	20 26/10/2016 13:01:26	20 26/10/2016 12:52:46	56

Compactor

Picture 5

Compactor

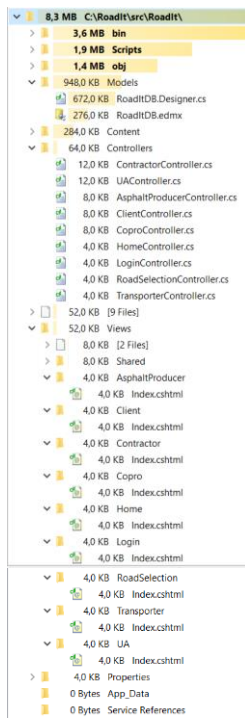| Compactor QR code	Number of roller compactor passages (+temperature)	Location of vibration(+temperature)	ColorCodeID (Finisher and Compactor location)	Speed of the roller compactor	Location compactor
link	link	link	Finisher: 0,615;0,635 Compactor: 0,543;0,651	10	0,543;0,651

Qualitie control

Compliance mixtures	Copro samples	Asphalt temperature (IR scanner)	Aspahlt temperature (thermometer)	Density measurements on field	Cores	Lengthwise flatness	Skidreskstance	IRI	Extra tests asked by client
download	download	56	75	download	download	download	download	download	download

Picture 6

When you want to go to a page where you have no authorities to, you will have an error message on the screen or you will be redirected to the login screen where you have to enter another login with other authorities.

Mapping tree

We use an entity framework to connect our application with the database. The connection happened inside the model.

Every time we want to get something different out the database, we make a new controller. This controller is connected to the model. In every controller will be the data processed and prepared to pass to the view.

Each controller has its own view. In this view will be the data from the controller be presented.

When there is a redirection to a page, there will be linked to the controller, thereby will the view automatically be presented.