Category	Explanation	0	1	2	3	4
IOT theme [1]	The student has to be able to incorporate live delivered, self generated data	No data	Basic use of geolocation from desktop browser or phone	Use of basic phone sensors (accelerometer, etc) or external app for QR code scanning	Integrate three sensor sources from your phone (geolocation, motion sensors, touch interface, camera, audio)	Use wifi connected sensors from embedded platform (Raspberry PI, NodeMCU)
Libraries and APIs [2]	The application needs to efficiently incorporate work from other people	No libraries and APIs are used	Only a client-side library is used	Client-side and server-side libraries are used	Complex IOT specific server-side API's or libraries are used	Server-side datasources and live measured data are meaninfully integrated
Server-side implementation [3]	A part of the application needs to run on a webserver.	No server side platform is used	Webserver is only used to serve static content	Webserver is used to serve dynamic content from a database	Webserver is used to serve dynamic content from a database using AJAX	Webserver is used to serve different dynamic content to different devices. OR/(and) Webserver is used to serve different dynamic content to different users
Client-side implementation [4]	Part of the application has to run on the client	Only static HTML is used	Javascript is used to dynamically alter the pages once it's loaded.	Javascript is used to dynamically alter content in application using simple AJAX calls	Javascript is used to dynamically alter content in application using complex AJAX calls	An application framework (AngularJS/Meteor) is used. MVC
HTML/CSS/Bootstrap [5]	The application should be able to run on mobile devices as well as desktop devices and public screens	Nonresponse, basic HTML is used without stylesheets	Very basic use of stylesheets.	Stylesheets used to make application responsive	Stylesheets used to make application scalable on different platforms.	Effective use of existing framework (BootStrap/JQueryMobile) to make responsive application for different types of device
Documentation [6]	The application should be well described. This category will be equally graded with no differentiation fro starting level.	No documentation is provided	Basic description is provided but no effort is taken to clarify the purpose and inner workings of the application	Technical details of the application are provided.	Technical details of the application are provided along with diagrams to make it easy for the reader to understand how the application works	Technical details of the appication are provided along with diagrams to make it easy for the reader to understand how the application works and extra care is taken to make the document pleasurable to read: well formatted and styled.

[1] Hardware Interfacing Realiseren

[2] Software ontwerpen
Gebruikersinteractie realiseren

[3] Infrastructuur reasliseren
Software realiseren
Software ontwerpen

[4] Gebruikersinteractie realiseren
Software ontwerpen

[5] Gebruikersinteractie realiseren

[6] Infrastructuur beheren
Gebruikerinteractie beheren