Test protocol

TSBB11 - WeatherMagic

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1 How the tests are produced

For instructions on how to use and test the different functions of WeatherMagic, please see the users guide[1].

2 Functional requirements

2.1 High priority requirements

Table 1: High priority functional requirements

Requirement		**Pass/Fail**	**Comment**
1	The software will be online on a website	Pass	
2	The software will visualize the temperature changes over a chosen time span in a given geographical area	Pass	
3	The software will be able to find long periods without rain in a given geographical area.	Pass	Look at a specific area and use the play function to look at rain in that area over time.
4	The software will interactively visualize climate data	Pass	
5	The user will be able to control the camera movement	Pass	

[1] Users guide, github.com/WeatherMagic/weather-front/tree/master/doc/User-guide.md, fetched 2016-12-12

2.2 Low priority requirements

Table 2: Low priority functional requirements

Requirement		Pass/Fail	Comment
6	The software will be able to find areas that might offer feasible for Anopheles.	Fail	
7	Visualize future changes to sea water level	Fail	
8	Use Catmull-Rom splines for camera movement	Fail	
9	Visualize different climate scenarios depending on different emission-levels of greenhousegases	Pass	
10	Trees and other world models will be affected by wind	Fail	
11	Display wind strength	Fail	
12	Display precipitation	Pass	
13	There should be simple models representing different nature types, cities and animals	Fail	
14	Wind level at the cameras current position should be audiolized by the help of sound effects.	Fail	
15	Be able to visualize different climate scenarios depending on different models	Pass	
16	There should be a statistical mode where statistics from one point on the map can be shown in graphs and chart	Fail	
17	There should be detailed statistics available for the area that is currently in view	Fail	
18	It should be possible to jump between different favorite or predefined camera positions	Pass	
19	There should be a map mode where regions are ordered depending on similar climate	Fail	
20	There should be a high score list, where things like rain, temperature, wind are different highscore categories	Fail	
21	Display atmospheric pressure	Fail	
22	In the statistical mode you should be able to track different regions mean rain, wind andtemperature over time	Fail	
23	The software will display two maps with climate conditions of the same region during twoseparate time periods	Pass	
24	Visualize bigger regions like Europe and other continents.	Pass	
25	The resolution of the data should change depending on the distance of the camera	Pass	
26	Pest map.	Fail	
27	Visualize 3D height map over Europe.	Fail	
28	A timeline for scrobbling between different years/dates.	Pass	

3 Non-functional requirements

3.1 High priority requirements

Table 3: High priority non-functional requirements

Requirement		Pass/Fail	Comment
29	The software will be adapted for inexperienced computer users	Fail	This will be tested 2016-12-15 by the customer Ola Leifler

3.2 Low priority requirements

Table 4: Low priority non-functional requirements

Requirement		**Pass/Fail**	**Comment**
30	An interactive user manual will be developed	Fail	
31	The user should get an intuitive understanding for how climate change will effect the European weather	Pass	
32	The user should get an intuitive understanding for the differences between climate and weather	Fail	