WEBT – PROJECT DESCRIPTION

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AUGMENTED REALITY (MAIN PROJECT)

Required Implementations:

- Photo tagging different parts of images
- Saving the tag positions
- Presentation mode
  - Tag Popup on mouse over

Extra, custom implementations:

- Managing of tags (move/edit/delete)
- Embedding Photos for sharing
- Clickable Link attachments for tags
- Custom colored tags
- Custom symbols for tags

Notice:
The custom implementations are only starting ideas, we are still not sure if we can implement them.

CONTENT

Augmented reality (AR) is an interactive experience of a real-world environment where the objects that reside in the real world are enhanced by computer-generated perceptual information, sometimes across multiple sensory modalities, including visual, auditory, haptic, somatosensory and olfactory. AR can be defined as a system that fulfills three basic features: a combination of real and virtual worlds, real-time interaction, and accurate 3D registration of virtual and real objects. Examples: HTC Vive, Pokemon GO, Snapchat-Filters

AR adds more possibilities to R&D and tries sets the technology standard higher. If that would become a standard, many people couldn't play because of the costs. It's also a threat to companies because people want to use AR for glasses that delete billboards out of the AR.

DESCRIPTION OF THE IMPLEMENTATIONS

Required Implementations – Photo tagging, saving positions:
Photo tagging would function with javascript, detecting the mouse position and clicks on the image. We would enable users to create tags all around the image, with different colours and symbols for better overview. The users would be able to edit, save or delete these tags of the images. These images and their tags could be saved in a database which would identify each picture with its link.

Required Implementations – Presentation mode:
We imagine the presentation mode as a wide-screen view of an image, where you could zoom into the picture and get a closer look of it. This could be useful if you're tagging a map for example, where multiple tags could be close next to eachother and you still would be able to select between the tags. (If this still would make difficulties we might implement a panel where you could choose between the tags that's currently around the mouse)

Required Implementations – Clickable link attachments for tags:
This feature would be somewhat like the tags on the windows login-screen pictures. ("Do you like this image?") A button would enable users to get more information about the part of the image the tag is pointing on.

Required Implementations – Custom colored tags and symbols for tags:
For the sake of organisation users could manage the colors of the tags and select/upload symbols for them.

ORGANIC FOOD VS. FAST FOOD (ALTERNATIVE PROJECT)

Required Implementations:

- Recipe upload
- Recipe Finder

Extra, custom implementations:

- Recipe list sorted after categories
- Rating
- Commenting
- Allergy/Intolerance Warnings

CONTENT

Organic food may contain more antioxidants and nutrients than regular food, although the evidence is mixed. Consuming organic food may also reduce your exposure to artificial chemicals, hormones and antibiotic-resistant bacteria. However, it often costs more and may spoil faster.

It can help reduce public health risks, mounting evidence shows that food grown organically are rich in nutrients, such as Vitamin C, iron, magnesium, and phosphorus, with less exposure to nitrates and pesticide residues in organically grown fruits, vegetables, and grains

Organic Food Labels: Clever, Billa, Ölz, Ja!

DESCRIPTION OF THE IMPLEMENTATIONS

Required Implementations – Recipe Upload:
Users would be able to upload their own recipes, maybe after a formula or maybe just their own plain text (which could be improved by custom tags that a script would initialize and format the text after them).

Required Implementations – Recipe Finder:
There would be a recipe finder section which would look through a database searching after the right recipe by the criterias.

Required Implementations – Recipe List sorted after categories:
If you don’t have anything on mind and just wanna surf through recipes you could do that with a list that would be divided into categories like salads, breakfasts etc…

Required Implementations – Rating:
Users could rate eachothers recepies with stars.

Required Implementations – Commenting:
Users could write comments under each recipe and discuss about it, maybe even leading the uploader to improve the recipe by it.

Required Implementations – Allergy/Intolerance Warnings:
Users could tag their recipe for different warnings which could improve the filtering mechanism: users could filter recipes after the warnings – only food with no/low sugar flour.