Team Name: B-Radden

(handwritten top right: ~~8:58~~ 8:58 ~~7:07~~ 7:1L *)*

Content:

1/2 ~~NO~~ Introduced team members and team name

✓ Discussed vision and what led to it ✓ NO

✓ Discussed use case survey

✓ Presented UI mock-ups or working code

—/ Give a quick recap of non-functional requirements (NFR's)

NO Summarized technical / non-technical challenges and approaches to dealing with them.

Presentation:

— Everyone spoke / presentation was well thought out and engaging

— One or more team members did not speak

— Spoke too softly or did not speak to the audience

— Not prepared

— Nervousness

— ~~PowerPoint not handed to inst~~ructor

— Too long or too short

−5 ✗ Other

(handwritten:) A little choppy, It! Ben Ran from the screen David interjected while Ryan & others were talking

Other Comments:

(handwritten:) David was on cell phone during presentation ⊗ Check with team next to you

Stock DB of copyrighted photos. what tool DID you use for your Mockups

ICS 499: Capstone
Iteration 1 deliverables

Binder:

1) A cover page with your team name, project name, and iteration. Also identify the team members.

2) Vision document - per the template I provided.

3) Use case survey – per the template I provided.

4) Working code or UI prototypes. For this iteration, just provide a few key screens or code. For the screens, I encourage you to use paper or some other low-fidelity prototyping method.

5) Start of Non Functional Requirements – per template I provided.

6) Journal – per the syllabus.

*** Be sure to organize the above in a binder with tabs.

Presentation:

1) Introduce yourselves and your team name

2) Discuss your vision and what led to it

3) Discuss your use case survey

4) Show us your UI mock-ups or working code

5) Give a quick recap of your non-functional requirements (NFR's)

6) Provide a summary of any technical and non-technical challenges you have or are facing and how you are dealing with them.

Plan on 15 to 20 minutes with a follow-up Q&A. Please give me a hard copy of your PowerPoint presentation before you deliver it. There's no need to give everyone else a copy though because you'll be presenting it on the overhead projector. If you want to present from your laptop, that's OK. There is a HDMI connection.

Remember, you are making a presentation. It is of course useful to me, but it might also be useful to a prospective employer.

ICS 499: Capstone
Iteration Phase Evaluation Form

37
− 5 penalty
32/50

33   13/15

Team Name: *BADDK*

Vision Document – 15 points

___ Establishes a clear vision with a sense of enthusiasm
___ Distinguishing attributes missing
___ Features missing or not clear
___ Capabilities incomplete or not clear
−1 ☒ Lacks energy
−1 ___ Other   NO TITLE PAGE   A LITTLE VAGUE
⊝ LIKE A DIAGRAM, I have to know what I am looking at

Use Case Survey – 15 points

10/15

___ Survey is complete, clear, and appropriate to the vision
___ Missing or incomplete set of actors
−4 ☒ (Missing) or unclear use case summaries
___ Use case summaries and use case diagram do not correlate
−1 ☒ Use case diagram lacks items or does not follow conventions.
___ Other

TEAM? NO SUMMARIES?

Non-Functional Requirements – 10 points

7/10

___ Non-functional requirements identified and are well-written
___ Key NFR's are missing
☒ Requirements not well-written − very vague
___ Other

Packaging and Presentation – 10 points

8/10

___ Material is complete, well organized, and professionally presented
−2 ___ Presentation comments – see below
___ Program binder has organizational issues – see below.
___ Other

see Attached for details,

Additional Comments:

Is there A reason why you don't have cover pages - re
VISION
please ~~~~~~~~~~~~.

TEAM:
IN ALL honesty, I think you can do better, ~~some~~ you what
really hurt you was the lack of use case summaries
And the 5 point penalty for NOT giving your classmates
your total Attention. Please use this feedback
As constructive And As A guide for improving
your work going forward

System Overview

The product we are developing is a web-based image recognition utility which uses "fingerprinting" (wavelet hashing) to find images in a database that are visually similar to a user-provided image. The primary intent is to use this to verify copyright or plagiarism claims, but could also be used for other tasks.

Key Features

Example:

- Image matching of submitted images against a predefined database of image fingerprints.
- Ability to match images with multiple file formats.
- Ability to find similar images
- Ability to add images to the matching database
- Web based application

Remember your Audience - they may be people who do not understand those terms

Capabilities

- Image matching of submitted images:
  - User can submit one or more images in JPEG or PNG formats.
  - Images are fingerprinted with the wavelet hashing algorithm used by the Python ImageHash library
  - User can specify a matching threshold (expressed as a percentage.)
  - Matching images in the database will be shown to the user in a gallery.
- Ability to match images with multiple file formats:
  - Program will be aware of and able to process any of the raster image file formats supported by the Pillow library
- Ability to find similar images
  - Using a user-specified threshold, images with similar hash values will be returned to the user along with exact matches.
- Ability to add images to the matching database.
  - Authenticated users can optionally permanently add their uploaded images to the database.
- Web Based Application
  - To support availability and accessibility requirements, the application will be web-based.

I'd like to see more functionality for a 499 class. Example! Upload catalog of images, I'd also like to know more about this library and its limitations

Use Case Survey

Actor Summaries

"Customer"

These would be the average users of the system- an individual who wants to compare an image to ones currently existing in the database to either see if the image is original, or to see where the original image came from. They value:

- Ease of use
- Speed
- Accuracy
- Availability

Ease of use: We don't expect people using this program to be versed in computers beyond basic browsing capabilities. We should design the user interface to be accessible by anyone who stumbles upon our website

Speed: ~~I expect~~ _will likely_ any wait times above 5 seconds ~~to~~ cause people to tab out of the site and completely forget they are using it.

Accuracy: If the user wants to see if an image of a cat is original, and they get results that are all dogs, they'll have no faith in our product or algorithms.

Availability: This would also tie in to ease of use, but we need to make sure our product is accessible to people who know about it as well as those who don't.

Technicians

These would be the people maintaining the database(s) the program utilizes. This would most likely be us. In terms of values we would definitely want:
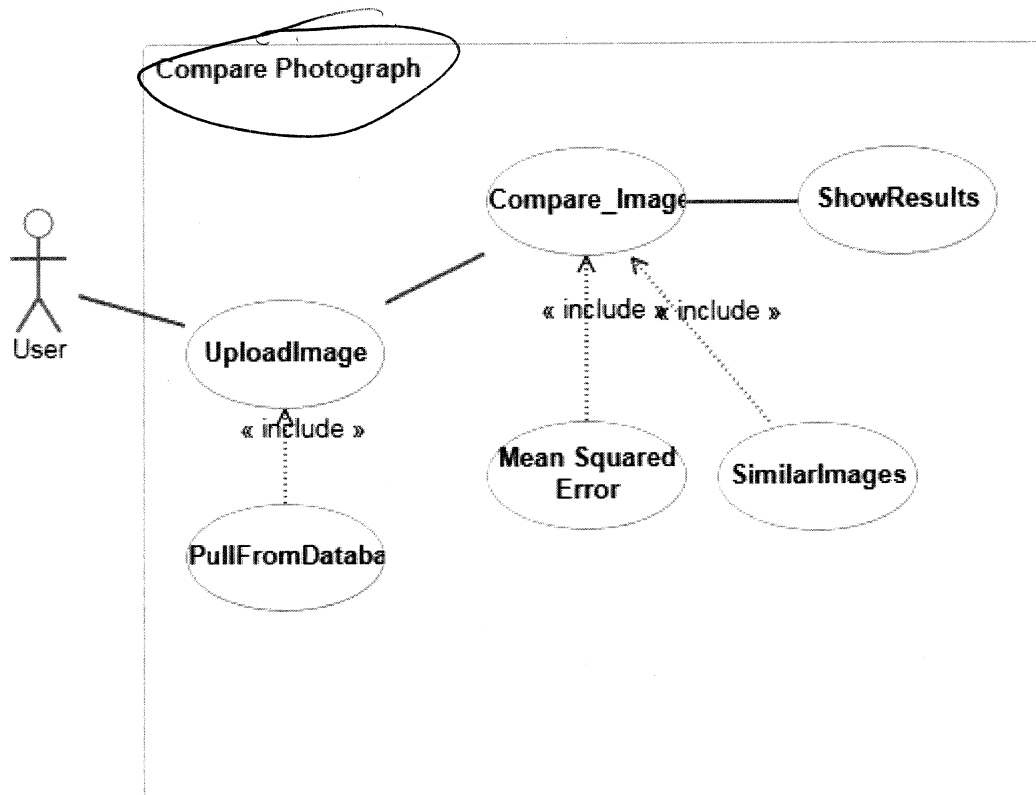
- Security
- Accuracy
- Clear diagnostic messages
- Readability

Security: We do not want a user to be able to upload a worm to our website and completely screw our server over.
Accuracy: We still want to ensure that our program works as intended.
Clear Diagnostic Messages: When our server crashes, we want to be able to pinpoint the cause of it.
Readability: When we're pruning the database for repeats, we want to be able to identify redundancies.

Compare Photograph

Compare_Image — ShowResults

User — UploadImage

« include » « include »

« include »

Mean Squared Error   SimilarImages

PullFromDataba

NO SUMMARIES ?

NOT SURE

Team BBADDR, Steel Sensor, Version 0.01

Non Functional Requirements

Security

ADMINISTRATORS (handwritten)

ID	Description
SEC1	**User Authentication:** only users requiring write access to the photo database will be required to login. Anyone else will be able to use the system by providing a photo or URL to match against the existing database(s). *— VAGUE* (handwritten)
SEC2	**SSH Keys:** Will be required to access the system during its initial phase while being locally hosted. *— VAGUE* (handwritten)
SEC3	**Backup:** Photo database will be backed up daily. As the system grow, this will be modified.

Availability

ID	Description
AVA1	The system will be available 24/7 with the exception for updates and hardware maintenance. *— VAGUE* (handwritten)

Interoperability

ID	Description
INT1	Accept multiple image file formats (JPG, PNG) for image comparison. *— What Resolution?* (handwritten)
INT2	The website will work with multiple browsers. No mobile design is currently planned. *— Vague* (handwritten)

Usability

ID	Description
USA1	The website will be in english only at this time.
USA2	User instructions will be provided on the website

Maintainability

ID	Description
MAIN1	Conformance to standard best coding practices will be used. *— Before* (handwritten)
MAIN2	Django web framework will be used.

Team BBADDR, Steel Sensor, Version 0.01

Capacity

ID	Description
CAP1	Due to being locally hosted, the number of users will be capped for hardware and bandwidth considerations.
CAP2	Due to being locally hosted, the database size will also be capped for users.
CAP3	Photo size (MB) will also be capped - due to hardware/bandwidth considerations.

Performance

ID	Description
PER1	Will be dependant on photo database size - goal would be to return results in under 30 seconds per photo.
PER2	Adding photos to a database - goal would be within 10 seconds. Photo size will be a consideration in this metric.