

The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the right side of the frame, creating a modern, layered effect. The left side of the image is a solid, light grayish-white.

Lucida

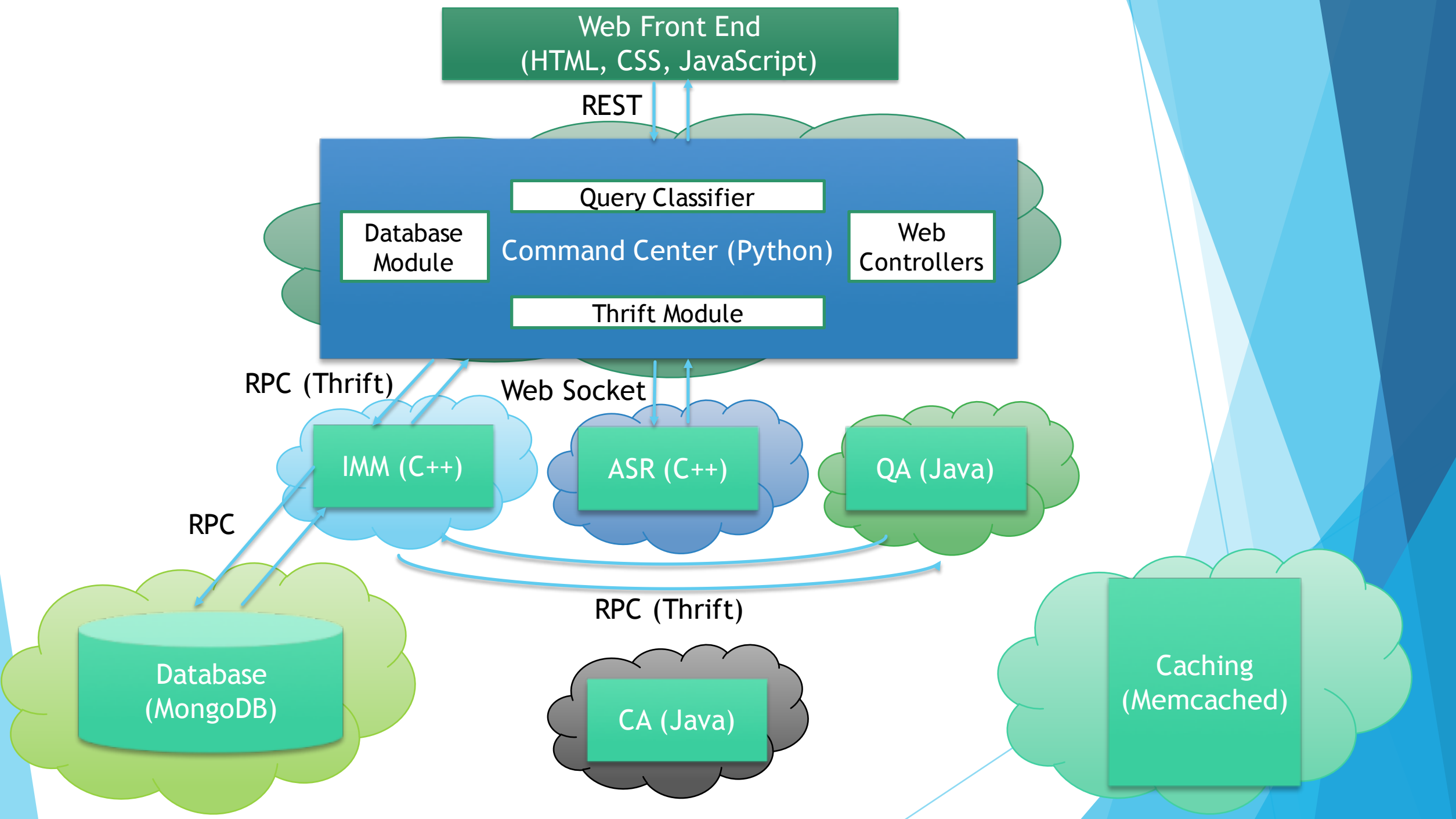
September 4, 2016

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Overview

- ▶ Lucida is a speech and vision based intelligent personal assistant developed in Clarity Lab at the University of Michigan. It is a state-of-the-art infrastructures to study emerging intelligent web services in large scale systems.
- ▶ Introduction: <http://lucida.ai>
- ▶ Github: <https://github.com/claritylab/lucida>
- ▶ Google Group: <https://groups.google.com/forum/#!forum/lucida-users>



Demo

Image Matching

- ▶ 1. Add at least one image under the “Learn” tab.

Add image knowledge:

No file chosen

Upload your picture!

Label:

Eiffel Tower

Add

Demo

Image Matching

- ▶ 2. Navigate to the “Infer” tab. Ask one of the following questions:
 - ▶ Who is he?
 - ▶ Who is she?
 - ▶ Who’s in the image?
 - ▶ Match this image.
 - ▶ Which photo in my collection is similar to this?
-
- ▶ This step is optional. You can directly go to step 3.



Demo

Image Matching

- ▶ 3. Upload one image that you want to match.

Ask a question:

Image input

No file chosen

Upload your picture!

- ▶ 4. Click the “Ask” button.

Demo

Question Answering

- ▶ 1. Add at least one piece of text under the “Learn” tab.
- ▶ For example, “Johann is 25 years old.”

Add text knowledge:

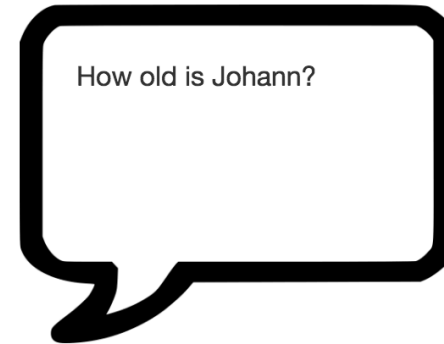
Text:

Add

Demo

Question Answering

- ▶ 2. Navigate to the “Infer” tab. Ask one question related to the knowledge you added in step 1.
- ▶ For example, “How old is Johann?”
- ▶ 3. Click the “Ask” button.



Demo

Question Answering

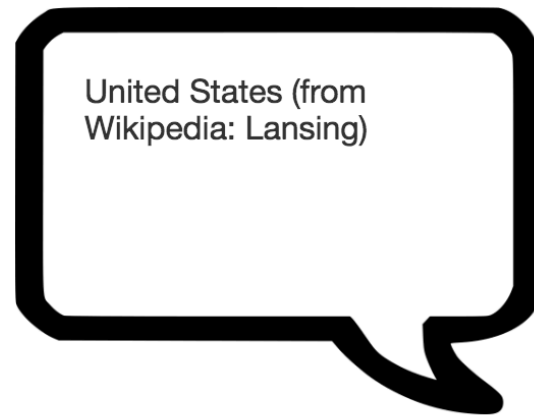
- ▶ 4. Go back to the “Learn” tab. Add a Wikipedia page URL:
- ▶ For example, https://en.wikipedia.org/wiki/University_of_Michigan
 - https://en.wikipedia.org/wiki/University_of_Michigan

Delete

Demo

Question Answering

- ▶ 5. Go back to the “Infer” tab. Ask a question related to the knowledge you added in step 4:
- ▶ For example, “Where is the University of Michigan located?”
- ▶ 6. Click the “Ask” button.



Demo

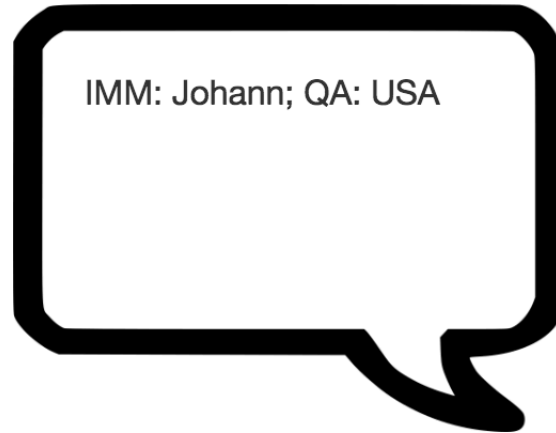
Question Answering

- ▶ 7. Ask one of the following questions:
- ▶ Who is the last emperor of China?
- ▶ Who discovered the South Pole?
- ▶ Who invented the telephone?
- ▶ Who is the Greek mathematician that developed geometry?
- ▶ When was the Munich agreement made?
- ▶ When did Mike Tyson win the title?
- ▶ Where is the River Nile located?
- ▶ 8. Click the “Ask” button.

Demo

Image Matching + Question Answering

- ▶ 2. Navigate to the “Infer” tab. Ask the following question and upload the image with “Johann” in it.
- ▶ Where was he born?
- ▶ 3. Click the “Ask” button.

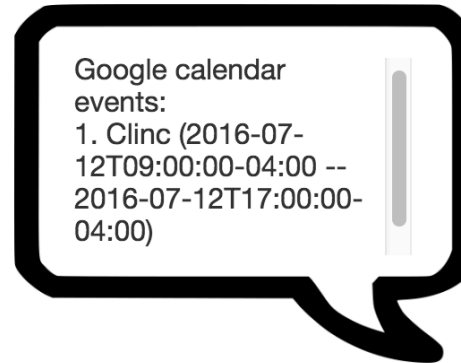
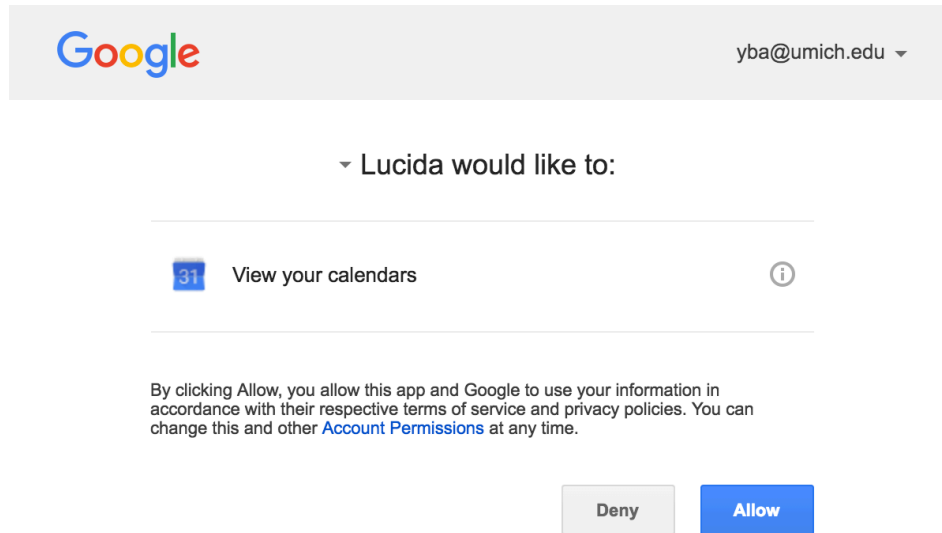


Demo Calendar

- ▶ 0. We assume you have some events on your Google Calendar.
- ▶ 1. Navigate to the “Infer” tab and ask one of the following questions:
 - ▶ What am I going to do tomorrow?
 - ▶ What is my plan next Monday?
 - ▶ What is on my schedule next Tuesday afternoon?
 - ▶ What did I do last weekend?
 - ▶ What was on my Google Calendar last year?
 - ▶ What was on my schedule last Christmas?
- ▶ 2. Click the “Ask” button.

Demo Calendar

- ▶ 3. Allow the pop-up window and click “Allow”:



Demo

Digit Recognition

- ▶ 1. Navigate to the “Infer” tab and ask one of the following questions:
- ▶ What digit is in the image?
- ▶ Lucida, what is this number?
- ▶ 2. Upload one of the following JPEG images:



- ▶ 3. Click the “Ask” button.

Demo

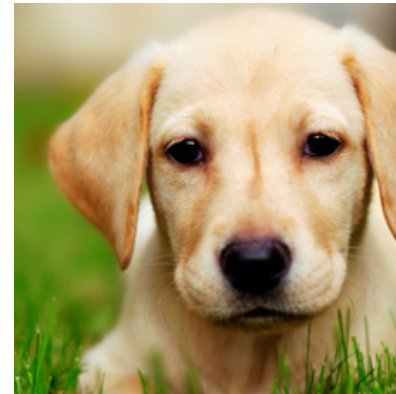
Face Recognition

- ▶ 1. Navigate to the “Infer” tab and ask one of the following questions:
 - ▶ Who is this famous star?
 - ▶ Do you know this celebrity?
- ▶ 2. Upload an image of JPEG format with a celebrity in it.
- ▶ 3. Click the “Ask” button.

Demo

Image Classification

- ▶ 1. Navigate to the “Infer” tab and ask one of the following questions:
 - ▶ What is this thing?
 - ▶ What is the animal?
- ▶ 2. Upload one of the following JPEG images:



- ▶ 3. Click the “Ask” button.

Thank you!

- ▶ Please leave your feedback on our Github repository or Google group!