CodeCap - Team 8

Computer Science
Senior Design Laboratory

University of Kansas

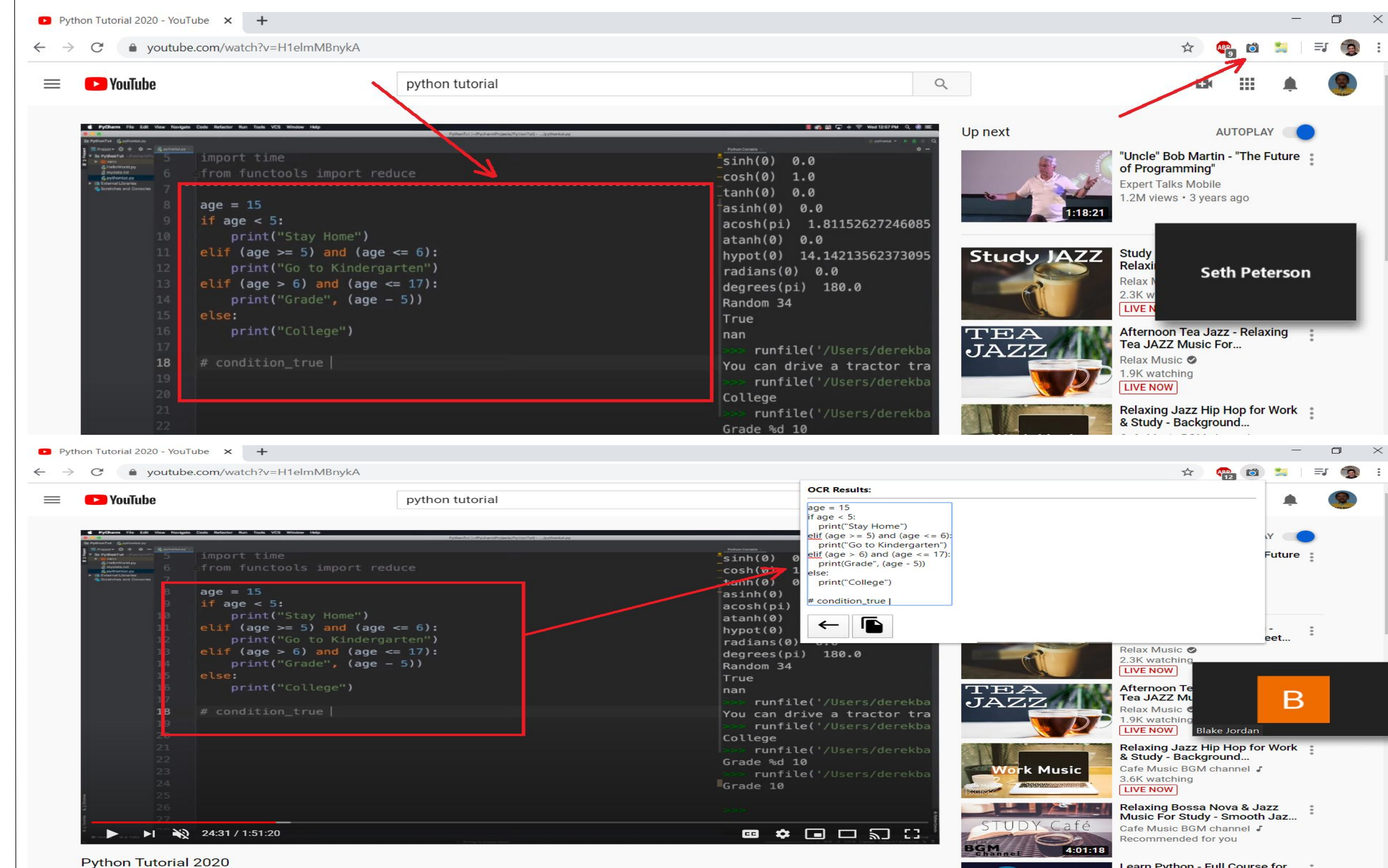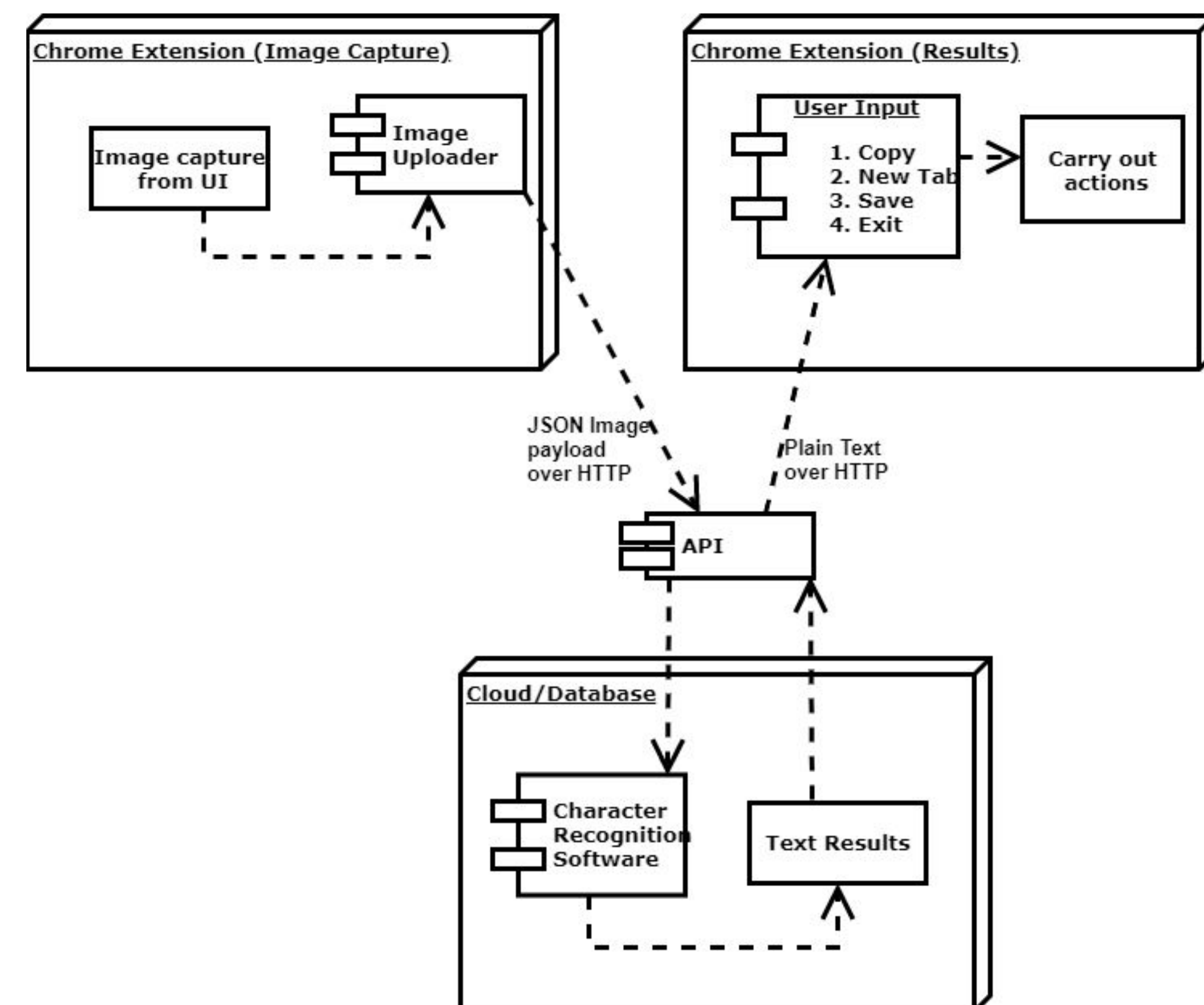Mohamad Zeid (CS), Blake Jordan (CS), Seth Peterson (CS), Subhankar Dey (CS), Austin Wildman (CS)

Description & Purpose

•What?
- CodeCap is a Chrome extension used to convert image-embedded text to ready-to-use text copied to the clipboard.

•Why?
- To ease the burden of rewriting text seen in videos and photos by allowing a simple text copy.

•Resulting In?
- A lightweight, fast Chrome extension in which the user either takes a screenshot or uploads a picture, and the extension reads the text and sends it back to the user for editing and copying.

Design

Ethical & Intellectual Property Issues

- CodeCap has the potential to be used for plagiarism, but like any convenience tool, the discretion falls on the end-user.
- Source code:
  github.com/BlakeJordan/CodeCap_Extension
  github.com/sethepeterson/tesseract-ocr-lambda-function
- Tools used:
  - Tesseract OCR
  - AWS Lambda
  - JQuery and JCrop
  - Chrome API