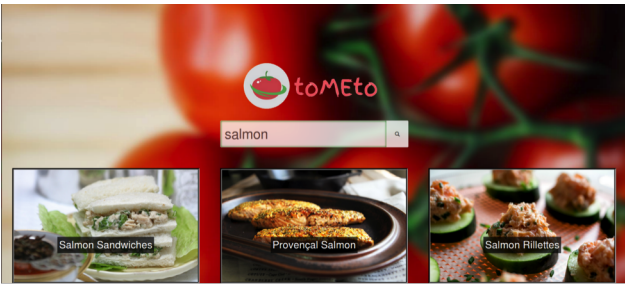
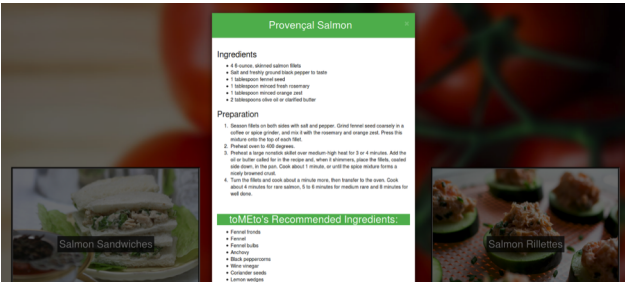


Upon searching for a recipe, a loading bar appears, and once recipe information is obtained, tiles fade in. These tiles

offer an image of the recipe to be prepared, with the recipe title overlaid on top. This can be seen below:



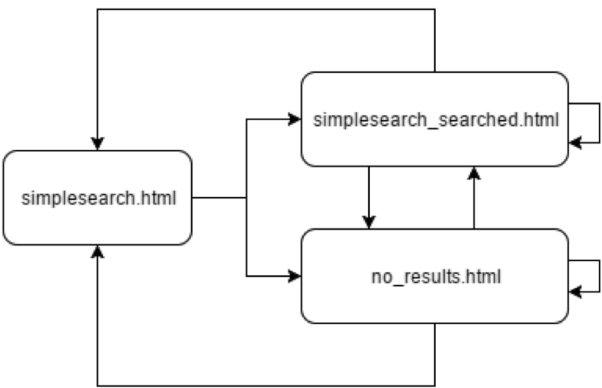
Upon clicking a recipe, a modal popup appears, which lists both the recipe itself as well as toMEto's recommended ingredients, as can be seen in the below image:



Much of the front-end was designed to be easily updated and maintained, and thus small UI tweaks, such as background images, color schemes, etc. are easily changeable by editing the HTML and/or CSS files. The front-end utilizes mainly three different HTML templates:

- simplesearch.html
- simplesearch_searched.html
- no_results.html

simplesearch.html is simply the html for the landing page, before any queries are entered. Then, once a search query is entered, app.py directs this information to the backend, which then generates information which is supplied to the simplesearch_searched.html template. The user is also redirected to this template, which includes the tiles, modal popup information, etc. Furthermore, if a search is entered into simplesearch_searched.html, this also refreshes the simplesearch_searched.html template, utilizing the new information. Finally, no_results.html is used as a template to be redirected to when the query entered into simplesearch.html or simplesearch_searched.html does not contain any results. As a note, a user will be redirected to simplesearch.html upon clicking the toMEto logo.



5. PERFORMANCE

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6. DISCUSSION

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7. CONCLUSIONS AND FUTURE WORK

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8. REFERENCES

[1] A. Einstein. Zur Elektrodynamik bewegter Körper. (German) [On the electrodynamics of moving bodies]. *Annalen der Physik*, 322(10):891–921, 1905.