**Computer Elective Programme WA3**

**Simple Flask Application**

**Due:** 29 June 2021 (Tue – T3W1), 2200hrs

For this project, you will build a single user web application that uses Flask features like Flask routes, Form processing, Jinja templates. Your app should also have an ability to remember app-specific data, through the use of JSON file.

Since you are building a single-user web application, there is no requirement for you to design multi-user management features. However, if your app involves sensitive information, you may implement simple password authentication to ensure that your user’s data is kept reasonably safe from public eye.

Also, your app should not have any dependency on external data sources. All data required for the running of your app should reside within your app directories.

You are encouraged to innovate and think of original app ideas for this task. In the event that you need some inspirations, here is a non-exhaustive list that I compiled from Chrome Web Store. Do note that many of these apps function like a chrome extension and you are **not required** to make your app behave like chrome extension:

1. Various types of Note taking apps like [Flowbar](https://chrome.google.com/webstore/detail/flowbar/chidlojljmmcgpjapdbkedbbilnjoddg), [Sticky Notes](https://chrome.google.com/webstore/detail/sticky-notes-3-quick-pers/plpdjbappofmfbgdmhoaabefbobddchk/related), [Mark-it](https://chrome.google.com/webstore/detail/mark-it/pfodanikhbfnlkdaoeppjiijfgpeaglm), [Note board](https://chrome.google.com/webstore/detail/note-board-sticky-notes-a/goficmpcgcnombioohjcgdhbaloknabb)
2. Various types of Task organization apps like [Todoist](https://chrome.google.com/webstore/detail/todoist-for-chrome/jldhpllghnbhlbpcmnajkpdmadaolakh), [Swell](https://chrome.google.com/webstore/detail/swell-to-do-list-task-man/konabofoegdfmjibecgaobhhnapbmpke), [Any-do](https://chrome.google.com/webstore/detail/anydo-extension/kdadialhpiikehpdeejjeiikopddkjem)
3. Various types of Bookmarking apps like [RaindropIO](https://chrome.google.com/webstore/detail/raindropio/ldgfbffkinooeloadekpmfoklnobpien), [Bookmark Manager and viewer](https://chrome.google.com/webstore/detail/bookmark-manager-and-view/mnhojcjhcilkgkmijhphlbmghmmdhlfg)
4. Various types of password management apps like [Avira Password Manager](https://chrome.google.com/webstore/detail/avira-password-manager/caljgklbbfbcjjanaijlacgncafpegll), [Strong Password Generator](https://chrome.google.com/webstore/detail/strong-password-generator/emehklffcaphknhhfhadkjhpfapcbpco)
5. Various types of Student friendly apps like [MindZip](https://chrome.google.com/webstore/detail/mindzip-%C2%B7-remember-everyt/cmkhjlckcaeahimgmlnihmphjkcccopm), [Web Citer](https://chrome.google.com/webstore/detail/cite-this-for-me-web-cite/nnnmhgkokpalnmbeighfomegjfkklkle), [Rememberry](https://chrome.google.com/webstore/detail/rememberry-translate-and/dipiagiiohfljcicegpgffpbnjmgjcnf), [Fluany](https://chrome.google.com/webstore/detail/fluany/gijlnmefafhloacckomgabbndcepdnce)
6. Various types of calculator / convertor apps – (I’m sure you can find plenty of ideas in this area yourself – I don’t think I will suggest any particular ones like [Steve Jobs](https://www.youtube.com/watch?v=WK_AtW66XI0), haha)

References:

1. Flask Lesson 1 Full Playlist (with answer videos) <https://www.youtube.com/playlist?list=PLDwf60yoIYdyb4RuXox3JYwx3DbdkBM3F>
2. Flask Lesson 2 Full Playlist (with answer videos) <https://www.youtube.com/playlist?list=PLDwf60yoIYdz-Jvr9Len-8GZFe574FAah>