APPENDIX 1: How to run the programme

Pre-requisites:

1. An Internet connection.
2. A computer or smart phone with any modern browser (Google Chrome is recommended).

* Make sure (1) the private mode of your web browser is turned off and (2) the location service is turned on.

Run:

Open "*/src/RUN_THIS/run.htm*" or visit https://yiliunat.github.io/fyp on your browser.

Test Scheme:

1. Basic functions:

    1.1 Click the drop-down menu and select any building to test the navigation function.

    1.2 To test the multiple entrance function, select any building mentioned in Note (II).

    1.3 Experiment with the different facility buttons by clicking them.

2. Timetable Upload:

    2.1 Open the sidebar (the top-left button), click "*upload your timetable*" button, select one of the my.bham timetable samples in "*/src/timetable_samples/*" and upload the file named "*upload_this_file.html*" (this is the same as the "*timeout.html*" file in the "*visualized timetable*" folder).

    2.2 "*Visualized timetable*" is the my.bham timetable with their style sheets. If you want to check the correctness of the loaded timetable, you can open "*timeout.html*" in any "*visualized timetable*" folder.

    2.3 Once you upload the timetable, you can refresh the page or close the browser, the uploaded timetable will be automatically loaded the next time you use the programme.

3. Check the correctness of the timetable parsing:

    3.1 The uploaded timetable will be loaded in the sidebar (the top-left button).

4. Check the correctness of the lecture reminder:

    4.1 Open the test panel (the top-right calendar button). Change the system time to see how the lecture reminder outputs differs.

5. Delete the uploaded timetable:

    5.1 Open the sidebar (the top-left button) and click the "*delete this timetable*" button.

Note:

(I) Not all the coordinates of UoB buildings were recorded in this system, such an implementation would be very time consuming and irrelevant to the computer science field.

(II) The following buildings are samples of multiple entrance building:

    ['*Aston Webb Great Hall', 'Staff House', 'Library'*]

APPENDIX 2: File Tree

```
/src
├── /CSS
│   (Style Sheets folder) ──→ Style.css
│                              (main CSS file)
│
├── /img
│   (Images folder) ──→ (Images)
│                        ...
│
├── /javascript
│   (JavaScript folder)
│   ├── errDetect.js
│   │   (error detect function)
│   ├── latlngData.js
│   │   (dataset of building coordinates)
│   ├── /lib
│   │   (JavaScript libraries) ──→ (Libraries) ...
│   ├── map.js
│   │   (main function)
│   ├── rem.js
│   │   (rem-layout file)
│   └── timetable.js
│       (null timetable dataset)
│
├── RUN_THIS
│   ├── /backups ──→ (Backups) ...
│   └── run.htm
│       (Launch file)
│
└── timetable_samples
    (Timetable sample files)
    ├── /1 ──→ upload_this_file.html (same as timeout.html)
    │      └──→ /visualized timetable (my.bham timetable)
    │            ├── timeout.html (timetable file)
    │            └── (other files) ...
    ├── /2 ----
    └── /3 ----
```