Propose a vacation student project for Summer 2019

Deadline for making your proposal(s): 17:00 Friday 22 March 2019. This is a hard deadline.

This form is for one project proposal, so to propose multiple projects please submit a separate form for each project. Any queries, do ask - Toby.

Project supervisor email *

uli.sattler@manchester.ac.uk

Title of the project *

Extending the School's Rooms Database

Source of funding *

- School funding requested
- You have your own funding (e.g. research grant)

Objective of the project *

To extend the existing Rooms Database (including its web interface) that was built by a vacation student last year to include features that were identified during its first year of usage.

Number of students requested (justify if > 1) *

1

Start date, end date, total duration (weeks) *

Flexible, flexible, 6 weeks
The benefit to the School *

An improved rooms database (including its web interface) that is usable by people who need to use it, and that can be accessed by everybody.

The benefit to the student *

A student working on this project will gain experience in building/extending a data-heavy, web-based application, including restricting access to certain views. He or she will work together with the project supervisor on understanding requirements, and with Chris Page on interacting with the existing code base (Python).

Skills needed by the student. *

Confident programmer, interested in web applications and access control

Details of the work that the student would do *

Last summer, a vacation student has build a Rooms Database application, see https://rooms.cs.manchester.ac.uk that is currently being used semi-successfully to keep track of office space occupations. While the current system is functional and provides all basic features, it is not usable by some people who need to use it (due to missing features in the UI) and we have to restrict access to strongly (ideally, we'd like to make some version of it publicly available so that visitors/other staff can search for peoples' offices' locations). The vacation student thus should familiarise themselves with the code base, the way people want to use it, identify missing features and access limitations, and implement UI (and database) support for those missing features and provide (controlled) access where appropriate.

Infrastructure requirements and any required staff support other than the project supervisor *

Only a standard desktop
Supervision arrangements throughout the duration of the project (named staff and dates covering the entire duration) *

Uli Sattler will act as the main supervisor, in particular for the requirements analysis. Chris Page will support the vacation student in technical questions (as he will continue to maintain the extended code base).

Location of the project work (building/room) NB projects must be on-campus *

Labs in Kilburn or a hot desk if possible.

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