

Project Number: 1 项目编号: 1

Project Title: AcademicHub

项目名称: 学术汇集

Project Clients: Will Midgley

项目客户: Will Midgley

Project specializations: Software Development;Web Application Development;Artificial Intelligence (Machine/Deep Learning, NLP);

项目专长: 软件开发; 网络应用程序开发; 人工智能 (机器/深度学习、NLP);

Number of groups: 2 group

组数: 2 组

Main contact: Will Midgley

主要联系人Will Midgley

Background: 背景介绍

Academics have lots of spinning plates to keep track of: HDR students; journal papers; conference papers and deadlines; reviewing of journal papers; and undergraduate students. They also have to keep track of their metrics for things like grant proposals and awards applications.

学术界有很多事情要处理: 人类发展报告的学生、期刊论文、会议论文和截止日期、期刊论文评审以及本科生。他们还必须跟踪自己的指标, 如拨款建议和奖项申请。

It would be great to have this all in one web interface that allows academics to keep all of the relevant information in one place.

如果能有这样一个网络界面, 让学术界将所有相关信息集中在一个地方, 那就太好了。

Harzing's Publish or Perish is a frequently-used software tool to keep track of academic metrics.

Harzing's Publish or Perish 是一款常用的软件工具, 用于跟踪学术指标。

Requirements and Scope: 要求和范围:

Build a single piece of software that can bring together the various threads of an academic's life.

建立一个单一的软件，将学者生活中的各种线索串联起来。

One (ideally online) portal should show an academic a snapshot of the status of the various parts of their role. It should be possible to drill down into details, and see visual representations of key metrics like citations and publications.

一个门户网站（最好是在线门户网站）应向学者展示其职责各部分的状态。应该可以深入了解细节，并看到引用和出版物等关键指标的可视化表示。

Required Knowledge and skills:

所需知识和技能

Requirements: 要求:

Online portal 在线门户

Use API calls to extract information from databases like ORCID and Web of Science

使用 API 调用从 ORCID 和 Web of Science 等数据库中提取信息

Summarise current journal submissions and statuses

总结当前期刊投稿情况和现状

Summarise in-progress journal/conference submissions

总结正在提交的期刊/会议论文

Summarise students (this may have to be manual data-entry for the academic, unless you can organise access to the Uni's student information system using SSO)

总结学生情况（这可能需要人工输入学术数据，除非你能使用 SSO 访问大学的学生信息系统）。

Additional: 其他:

Use Uni SSO 使用 Uni SSO

Ingest emails and use them to update e.g. manuscript and reviewing statuses

接收电子邮件，并利用电子邮件更新稿件和审稿状态等信息

Automatically scrape conference deadlines

自动搜索会议截止日期

Expected outcomes/deliverables:

预期成果/交付成果:

Codebase 代码库

Database schema 数据库模式

Documentation 文件

User guide 用户指南