

# Course Project Contribution Agreement

This agreement is made between the student(s) listed below to document each team member's contributions to the course project. It outlines the individual roles, contributions and involvement of each student in the project.

**Project Title:** KR Project group 8

**Team Member:** Eduardo Pereira, Juan Carlos Aguilar, Utku Atay, Yi Yang, Tingjun Yuan

## Description of Contributions:

By signing this contract, each team member agrees to the following contributions to the project:

Project Plan : Eduardo Pereira, Juan Carlos Aguilar, Utku Atay, Yi Yang, Tingjun Yuan

- Design and Development of the Application System
  - Design and development of javascript front-end
    - a. UI/UX design and implementation
    - b. All web app functionalitiesEduardo Pereira
  - Design and Development of the Python back-end
    - a. Back-end development to facilitate communication with Spotify API
    - b. Back-end including recommendation algorithms on notebooksEduardo Pereira
  - Back-end Front-end connectivity
    - a. Development of Flask layer to enable seamless communication between the JavaScript front-end and the Python back-end.Eduardo Pereira
  - Recommendation algorithm
    - a. Design and development of the recommendation algorithm on notebooks.
    - b. Design and development of SPARQL queries data retrieval from both Yago and Wikidata.

Juan Carlos Gonzalez Aguilar

- Research on retrieving data from YAGO and Wikidata using SPARQL queries.

Juan Carlos Gonzalez Aguilar

- Writing the Project Report:
  - Introduction – Utku Atay
  - Application description – Utku Atay
  - Technical Detail - Eduardo Pereira and Juan Carlos Aguillar
  - Application usage – Utku Atay
  - Discussion – Utku Atay
  - Review – Tingjun Yuan, Yi Yang

Each student agrees to contribute equally to both the design/development of the system and the writing of the project report.

### Project Meeting Log

As part of this contract, the project team is required to document the project meetings organized, the members who attended, and the topic(s) discussed.

<b>Id</b>	<b>Data&amp;Time</b>	<b>Topics</b>	<b>Participants</b>
1	07-12-2024	Discussion and definition of the project	Everyone
2	07-01-2025	Presentation of state of individual developments, next steps definition and task assignments	Eduardo Pereira, Juan Carlos Aguillar, Utku Atay

**Note:** The team was scattered across 3 continents and 4 different time zones. Making it very difficult to schedule group meetings. We mainly communicated via WhatsApp, and WhatsApp was not even available in the country of some of the group members.

### Acknowledgment of Accountability:

By signing this contract, each undersigned student acknowledges and agrees to the following:


- **Balanced Contributions:** All students contribute fairly and equitably to the

project. We have completed our assigned tasks on time and have actively contributed to the project.

- **Project Meetings:** Each student attended and participated in project meetings. We have documented all meetings attended and tracked the action items assigned to us.
- **Timeliness and Integrity:** We confirm that we have met all deadlines for our tasks, contributed fairly to the project, and ensured all work is our own. We understand that failure to meet these expectations may affect our individual grades or the overall project grade.

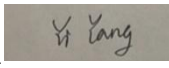
### Signatures:


By signing below, we confirm that the information provided in this contract is accurate and that each of us has contributed as described above. This agreement is made in good faith to ensure accountability for each team member's role in the project.

Student Name Eduardo Pereira  \_\_\_\_\_

Student Name Juan Carlos Gonzalez A. Signature  \_\_\_\_\_

Student Name Utku Atay Signature \_\_\_\_\_ UA \_\_\_\_\_

Student Name Yi Yang Signature  \_\_\_\_\_

Student Name Tingjun Yuan Signature  \_\_\_\_\_

Date: January 12, 2025