AY2425 LIF001 Peer Assessment System

Case Providing Department: Learning Institute for Future Excellence

Supported by LM

1. Background

LIF001 is a core course designed for all approximately 5,000 first-year undergraduate students at Xi'an Jiaotong-Liverpool University (XJTLU). Among its assessment components, "Peer Assessment" accounts for 15% of the total score and has long been an essential evaluation link of the course. However, the peer assessment algorithm in the existing Learning Mall Core system is inconsistent with the calculation rules required by the course, and it cannot uniformly conduct peer assessment questionnaires for 5,000 students. Therefore, we developed a demand to implement student peer assessment through a No-code platform. In addition, traditional questionnaire tools not only struggle to meet the complex algorithm requirements of LIF001 but also fail to support such large-scale data processing. Disorganized data tables and difficulties in integration and analysis further restrict the efficient implementation of the peer assessment process. Eventually, peer assessment can only be organized separately by groups, resulting in low efficiency and lack of uniformity.

2. Solutions

To address the key needs of peer assessment for the LIF001 course, we adopted the following measures: Import all student information into the backend database of the No-code platform to achieve unified management; Students can accurately filter and select all members of their group by entering the group number, ensuring the accuracy of peer assessment targets; Use formulas to standardize input information, ensure the accuracy of group member matching, and directly complete score calculation based on the set algorithm; Significantly shorten the construction time of the peer assessment system; meanwhile, the data exported from the platform is clearly structured and uniformly formatted, facilitating integration with the total score system; After the completion of peer assessment, the system can automatically complete score aggregation and analysis immediately, significantly reducing the burden of manual calculation and improving overall efficiency.

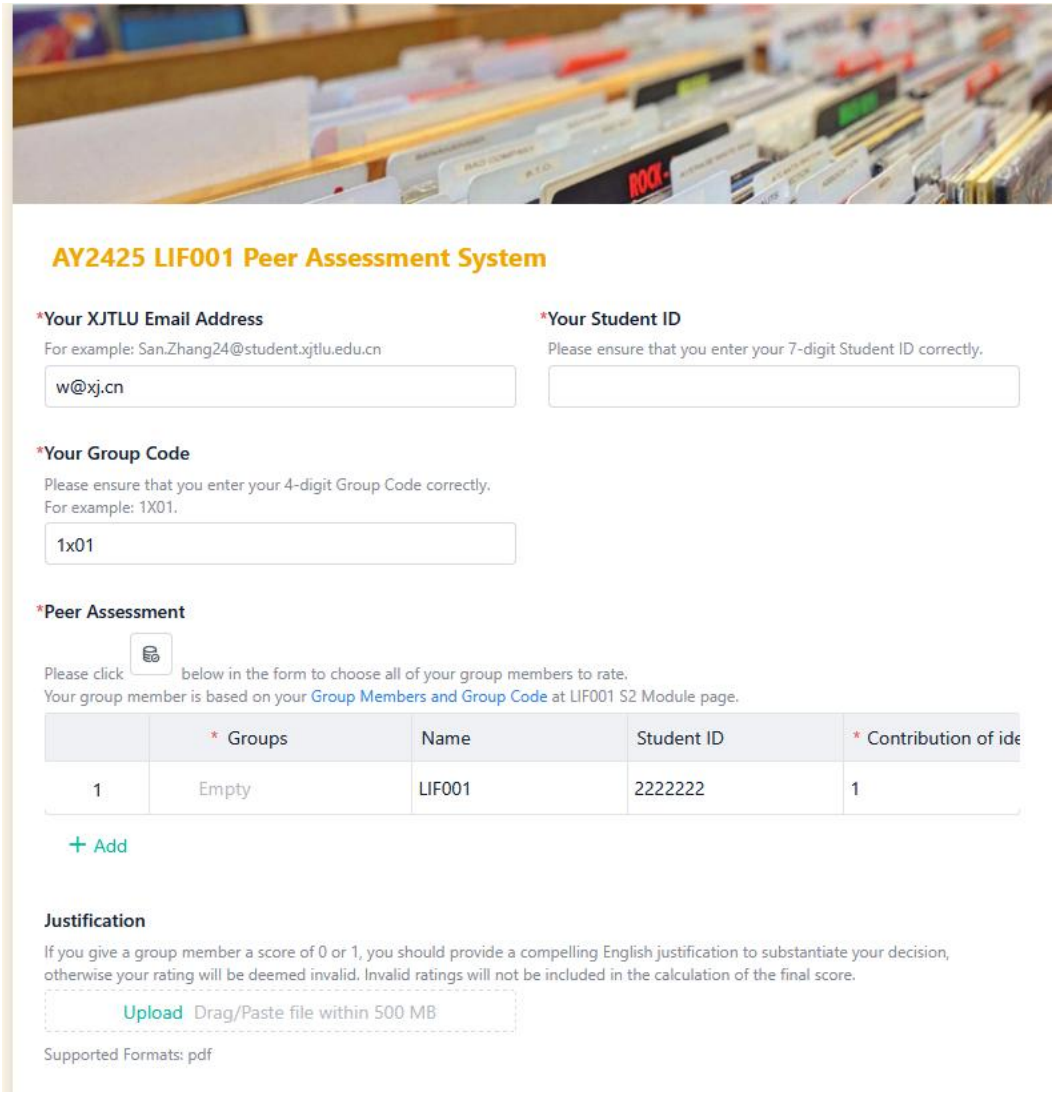

Figure 40 Peer Assessment System

3. Outcomes and Benefits

Achieved a large-scale and high-precision group member peer assessment process, supporting simultaneous participation of 5,000 students; The exported data is standardized and unified, facilitating subsequent processing and score integration; The system automatically completes score calculation and aggregation, greatly reducing teachers'

workload and improving scoring efficiency; The construction time of the peer assessment system is significantly shortened, enabling rapid response to course needs; Improved the standardization and transparency of the peer assessment process, and enhanced the fairness of evaluation results.

4. Replicability and Promotion Value

This case is applicable to the following scenarios: Large-scale student peer assessment activities where existing systems cannot meet specific algorithm or process requirements; Scenarios requiring accurate group member screening and automated score calculation; Applicable to peer assessment, research, or group evaluation tasks with similar structures in other courses or departments, demonstrating high promotion potential.

5. Next Steps

Further optimize the system interface and interactive experience, expand support for more types of evaluation templates, explore data docking with other teaching management platforms.