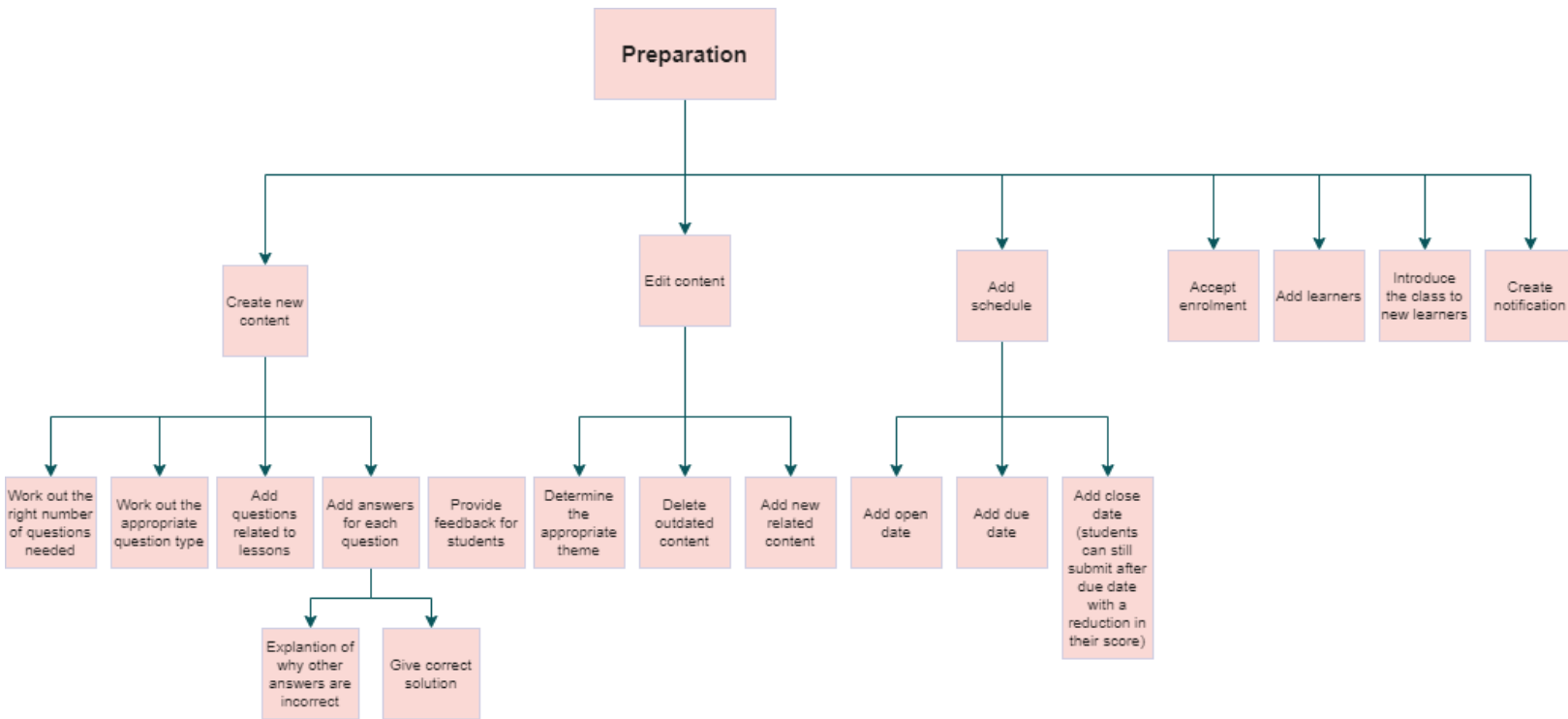# 3.3 CORE

Task Model (GROUP)

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Part 1 - Hierarchical Task Inventory
This HTI is constructed based on the "Preparation" stage of creating a new class and its tasks.

```
                                    Preparation
     ┌──────────────┬──────────────┬──────────┬──────────┬──────────┬──────────┐
  Create new    Edit content    Add        Accept    Add       Introduce   Create
  content                       schedule   enrolment learners  the class   notification
                                                                to new
                                                                learners
```

- **Create new content**
  - Work out the right number of questions needed
  - Work out the appropriate question type
  - Add questions related to lessons
  - Add answers for each question
    - Explantion of why other answers are incorrect
    - Give correct solution
  - Provide feedback for students
- **Edit content**
  - Determine the appropriate theme
  - Delete outdated content
  - Add new related content
- **Add schedule**
  - Add open date
  - Add due date
  - Add close date (students can still submit after due date with a reduction in their score)

Part 2 - Write requirements based on HTI

2.1 Content creation features

- **Requirement**: Educators need to be able to easily create and manage materials for their classes.

- **Rationale**: As can be seen in the current state journey map, teachers are having numerous difficulties in editing content. Content creation is time-consuming, as teachers have to duplicate the materials and quizzes on every platform available so that students will not miss out on important assignments.

- **Note**: The content management system can be further enhanced with the option to share on multiple programs, or rather a simple push notification option in the settings so that the scenario of unaware students missing out on instrumental materials can be removed.

2.2 Adjusting existing quizzes/learning material

- **Requirement**: The quiz/knowledge needs to be synchronized. When the quiz is being updated, learners cannot take that quiz. The same thing happened to academic material. When revision material is updated, the quiz involved cannot be taken. There are also notifications and announcements for learners in the class.

- **Rationale**: Synchronization is required to ensure that all students have the same knowledge test and revision. The notifications and announcements are used to let learners who used that quiz/learning material know that there is an adjustment so they should recheck the quiz/material.

- **Note:** If learners are taking the quiz, there is an announcement that there is an adjustment. The quiz will be closed immediately but the answer to other questions is kept for learners.

2.3. Prompting correct answer/ solution after making an incorrect answer

- **Requirement:** The learners need to review their incorrect answers and have a chance to see the correct answer and solution (if able).

- **Rationale:** The current issue prevents learners from acquiring knowledge in a meaningful way, after making incorrect answers, they need to know the correct answer to understand, remember and avoid the same mistakes. Therefore, an auto short prompt to users' screens must be made to help learners enjoy the best learning experience.

- **Note:** During quiz time, if learners make incorrect answers, immediately, an auto short prompt appears in the middle of the screen containing the correct answer and solution (if able).