**Student-Side Feature Requests (FRs)**

Based on the persona insights above, the following feature requests are recommended for the student-facing feedback system:

1. **Anonymous Feedback Support**
   * **Enable anonymous submissions to protect privacy and encourage open feedback.**
   * **Allow students to see summarized teacher responses to their anonymous input to close the loop.**
2. **Visible Teacher Response Section**
   * Display a designated “Teacher Response Area” where students can track whether feedback is read or acted upon.
3. **Personal Feedback History**
   * Let students view their own feedback history and any teacher responses to improve transparency and trust.
4. **Visualized Feedback Results**
   * Offer visual tools like word clouds and sentiment trend charts.
   * Support multiple formats including charts, brief reports, and trend analysis.
5. **Improved Usability**
   * Simplify the feedback process with a more intuitive interface.
   * Provide quick-feedback templates or guiding questions to make participation easier.
6. **Support for Multiple Input Methods**
   * Accept both text and optional voice/choice-based feedback to accommodate different expression styles.
7. **Automated Sentiment Analysis and Summaries**
   * Use NLP techniques to analyze sentiment and extract keywords, and auto-generate summaries for both students and teachers.
8. **Modular Embedding**
   * Embed feedback modules into learning systems (Canvas, Blackboard), assignment portals, or WeChat/QQ groups to improve accessibility.

**Teacher-Side Feature Requests (FRs)**

Based on the findings above, we recommend the following feature modules for the teacher-facing feedback system:

1. **Integrated Multi-Channel Feedback Management**
   * Aggregate feedback from various sources (face-to-face, surveys, reps, real-time tools, WeChat/LMS).
   * Centralize and manage scattered feedback to reduce workload.
2. **Information Overload Management**
   * Include keyword extraction, sentiment analysis, and auto-summary features.
   * Enable filtering by time/class/module to help teachers prioritize issues.
3. **Teacher Response and Feedback Loop**
   * **Provide a teacher response panel to publish bulk or categorized responses.**
   * **Automatically notify students of teacher responses to close the loop.**
4. **Anonymous Feedback Support**
   * Maintain student anonymity while allowing teachers to access synthesized insights.
   * Optionally allow students to view teachers’ responses to anonymous feedback.
5. **Data Visualization Tools**
   * Offer tools like sentiment trend graphs, word clouds, and feedback evolution charts.
   * Support charts, reports, and summaries for easier interpretation.
6. **Real-Time Feedback Tool Integration**
   * Promote use of tools like Mentimeter, Padlet, and DingTalk.
   * Offer training and seamless integration into teaching workflows.
7. **Customizable Feedback Frequency & Reminders**
   * Let teachers set preferred collection intervals (monthly, per assignment, etc.).
   * Automatically push requests to students based on teacher settings.
8. **Decision Support Based on Feedback**
   * Suggest teaching improvements (e.g., pacing, workload) based on trends in feedback reports.

**Minimal Viable Product (MVP)**

**1. Anonymous Feedback Collection (Student Side)**

* Students can submit feedback anonymously.
* Simple form with one or two guiding questions.
* No need for user accounts; feedback can be categorized using course codes or timestamps.
* Solves the biggest pain point: students feeling "afraid or unwilling to speak up."

**2. Teacher Response Display (Teacher Side)**

* Teachers can view the anonymous feedback they’ve received.
* They can write a brief response and post it to a “Response Wall.”
* This lets students see the feedback being acknowledged, creating a minimal feedback-response loop.

**Feature Modules and Rationale**

| **Feature Module** | **Rationale** |
| --- | --- |
| **Feedback History Records** | Requires identity binding and permission management, which adds development complexity. In the MVP phase, this can be substituted with simple "submission records" and "teacher response history." |
| **Support for Multiple Input Methods (Voice/Options)** | High complexity and limited value in the initial stage. Text input or simple templates are sufficient for now. |
| **Modular Embedding (e.g., LMS, group chats)** | Heavily dependent on integration permissions from third-party platforms. Better suited for mid-to-late stage development. |
| **Unified Multi-Channel Feedback Platform (Teacher Side)** | Initial focus should be on collecting feedback via anonymous forms and surveys. Broader channel integration can follow after higher student engagement. |
| **Customizable Feedback Frequency & Reminders** | Not a core function at this stage. Can be included in future iterations. |
| **NLP Analysis** | Not feasible without a dataset. Should follow once enough feedback has been collected. |
| **Visual Charts & Trends** | No data, no trends to visualize. Can be introduced later when feedback volume increases. |