Use Case: Check Personalized Dashboard
Actor: Student
Description: Student views their upcoming events and academic performance
Preconditions: Student is authenticated via SSO
Basic Flow:
1. Student opens AIDAP mobile app
2. System authenticates via university SSO
3. Student selects "My Dashboard"
4. System fetches calendar events, grades, announcements
5. System displays personalized dashboard
Postconditions: Student sees their upcoming deadlines and performance metrics

Use Case: Post Automated Reminder
Actor: Lecturer
Description: Lecturer schedules automated deadline reminders
Preconditions: Lecturer is authenticated and has course access
Basic Flow:
1. Lecturer says "Remind CS101 students about assignment due Friday"
2. System confirms course authorization
3. Lecturer specifies reminder details and timing
4. System schedules automated notifications
5. System sends reminders at specified time
Postconditions: Students receive deadline reminders

2 QUALITY ATTRIBUTES (FCAPS Format)

Attribute: Availability
Scenario: System remains accessible during peak usage
Stimulus: 5,000 concurrent users during registration period
Source: Multiple student and lecturer sessions
Environment: Normal system operation, peak load conditions
Artifact: Entire AIDAP platform and load balancers
Response: System remains responsive, automatic failover if needed
Response Measure: 99.5% uptime monthly, <30 second recovery from failures

Attribute: Usability
Scenario: Intuitive conversational interface
Stimulus: New student uses AIDAP for the first time
Source: Student user interface (mobile/web/voice)
Environment: First-time user context, no prior training
Artifact: Conversation engine and UI components
Response: System provides clear prompts and helpful responses

Response Measure: 90% of users can complete tasks without help, satisfaction >4/5

1 CONSTRAINT

Constraint: Multi-Platform Accessibility
Type: Technical/Business
Description: Must work on mobile, web, and voice-assistant devices (RS9)
Impact: Requires responsive web design, mobile app development, and voice interface compatibility

1 ARCHITECTURAL CONCERN

Concern: AI Model Accuracy and Maintenance
Description: Ensuring the AI conversation model remains accurate and up-to-date with academic terminology
Stakeholders: Students, Lecturers, System Maintainers
Impact: Poor model accuracy could lead to incorrect academic information and user frustration