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**Use Case 2: Register for Event**

**Primary Actor:**

* Student

**Stakeholders and Interests:**

* **Student:**
  + Wants to register easily for events they are eligible for and view their registration details.
* **Department:**
  + Wants an organized system to manage student participation.
* **Event Organizer:**
  + Wants to monitor student registrations and ensure participant limits are maintained.

**Preconditions:**

* The student must be logged into the system.
* The event must be open for registration.

**Success Guarantee (Postconditions):**

* The student is successfully registered for the event.
* The system updates the event's participant list.

**Inputs:**

* Event ID
* Student ID
* Eligibility verification data
* Registration confirmation request

**Outputs:**

* Confirmation message of successful registration
* Updated participant list
* Error message (if registration fails due to eligibility or full capacity)

**Main Success Scenario (Basic Flow):**

1. The student logs into the system.
2. The student navigates the events section and selects an event.
3. The system displays event details and eligibility criteria.
4. The student confirms eligibility and proceeds with registration.
5. The system registers the student and updates the participant list.
6. The student receives confirmation of successful registration.

**Alternate Scenario (Extensions):**

* **\*a. System Failure at Any Time:**
  + The software saves existing registration data automatically.
  + When the system is reopened, it resumes from the last step saved.
* **1a. Student is not eligible for the event:**
  + The system displays error messages and does not allow registration.
* **5a. Event registration limit is reached:**
  + The system notifies the student that registration is full and prevents further registration.

**Special Requirements:**

* The application should be developed in **Java**.
* Student registration should be easily visible, using a readable font size (e.g., 12pt).

**Frequency of Occurrence:**

* Nearly continuous.

**Open Issues:**

* Open for feedback to improve the use of case text.
* Consider additional input and output details for better usability.

**Class System Sequence Diagram:**

**A diagram of a student registration process

AI-generated content may be incorrect.**