

College Placement and Internship Portal

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Introduction :

Problem Statement :

Campus placement and internship management in colleges involves coordination among multiple stakeholders such as students, recruiters, alumni, faculty, and the placement cell. Although the placement process appears structured, in practice it relies heavily on emails, spreadsheets, messaging applications, and manual follow-ups.

This leads to several challenges including lack of transparency for students regarding application status, manual errors in eligibility verification, delayed communication between stakeholders, difficulty in tracking referrals and recruitment stages, and high coordination overhead for the placement cell.

There is a need for a centralized and structured system that reflects how placements actually happen in practice, enforces institutional rules, and provides clear visibility to all stakeholders.

Purpose:

The purpose of this document is to define the functional and non-functional requirements of the College Placement & Internship Portal. It also explains the system behavior using UML diagrams such as use case, activity, and sequence diagrams, providing a clear and structured understanding of the system workflows.

Overall Description :

System Overview :

The College Placement & Internship Portal is designed to model real-world placement and internship workflows within an academic institution. The system supports key processes such as opportunity submission by recruiters and alumni, approval by the placement cell, eligibility validation, student applications, alumni referrals, management of recruitment rounds, and real-time application tracking.

By centralizing these activities, the portal improves transparency, reduces manual effort, and ensures smooth coordination among all stakeholders involved in the placement process.

User Classes:

The system supports the following user classes:

- **Student**
- **Recruiter**
- **Alumni**
- **Placement Cell**
- **Faculty**

Functional Requirements:

1. Student :

The system shall allow students to:

- View all approved job and internship opportunities
- Access detailed opportunity information, including role description and eligibility criteria
- View an advisory profile–opportunity match percentage
- Apply for opportunities for which they meet the eligibility requirements
- Upload, update, and manage multiple versions of resumes
- Track application status across all recruitment stages
- View schedules and details of interviews and assessments
- Request alumni referrals for applied opportunities
- View referral status and referral-related indicators
- Receive system notifications for important updates, deadlines, and outcomes

2. Recruiter :

The system shall allow recruiters to:

- Submit job and internship opportunities for review
- Define and update eligibility criteria for each opportunity
- View and manage applications submitted by students
- Screen, shortlist, and filter candidates
- Schedule online assessments, interviews, and recruitment rounds
- Update candidate status after each recruitment stage
- Communicate hiring decisions through the portal

3. Alumni :

The system shall allow alumni to:

- View referral requests submitted by students
- Review student profiles and resumes linked to referral requests
- Approve or decline referral requests
- Provide endorsements or recommendations where applicable
- Receive notifications related to referral requests and status updates

4. Placement Cell:

The system shall allow the placement cell to:

- Review, approve, or reject job and internship opportunities
- Provide remarks when rejecting opportunities
- Publish approved opportunities for student access
- Enforce institutional placement policies and rules
- Monitor recruitment activities and placement progress
- View placement statistics, reports, and final outcomes
- Manage official communication with recruiters

5. Faculty :

The system shall allow faculty members to:

- Monitor student placement and internship progress
- Analyze student profiles, performance, and application trends
- Provide guidance for placement preparation and skill development
- Recommend suitable opportunities based on student readiness

Non-Functional Requirements :

1. Usability:

- The system shall be easy to use for all stakeholders, including students, recruiters, alumni, faculty, and the placement cell.
- The user interfaces shall be simple, consistent, and intuitive to minimize the learning curve

2. Performance :

- The system shall support multiple concurrent users during peak placement and internship periods.
- Application status updates shall be processed and reflected without noticeable delay.

3. Reliability :

- The system shall ensure consistency and accuracy of application and referral data.
- Duplicate applications by the same student for the same opportunity shall be prevented.

4. Security:

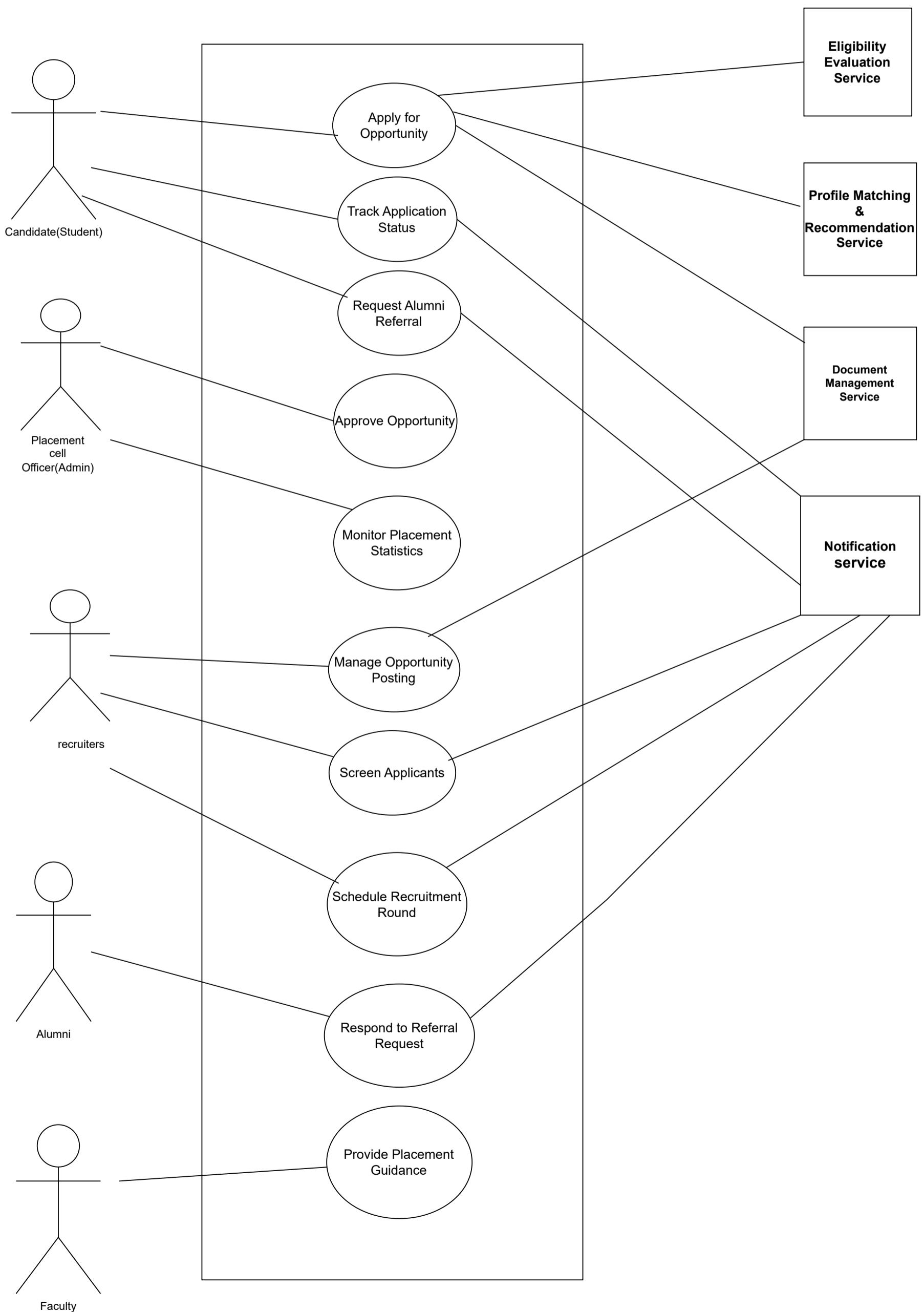
- Only authorized users shall be able to access system functionalities based on their roles.
- Sensitive user, academic, and recruitment data shall be protected from unauthorized access

5. Scalability :

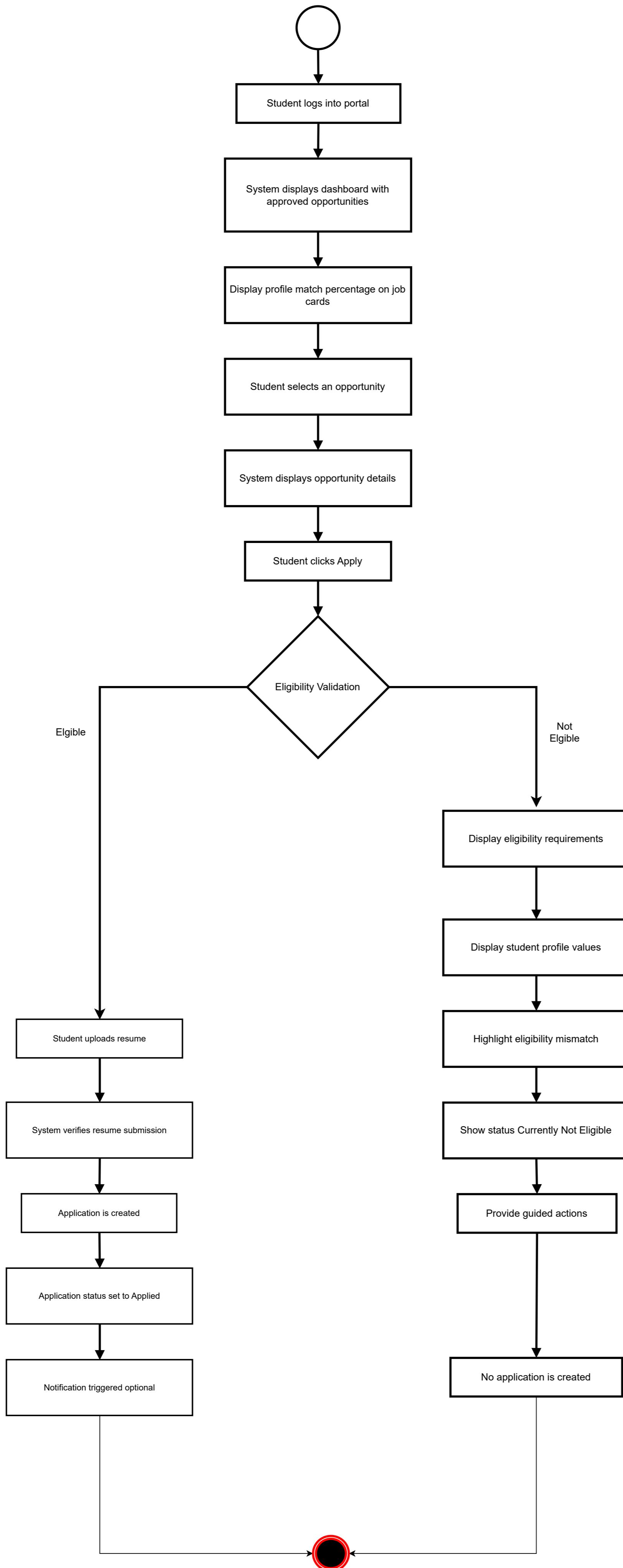
- The system shall be scalable to support future growth in the number of users, recruiters, and placement opportunities without performance degradation.

UML Diagrams :

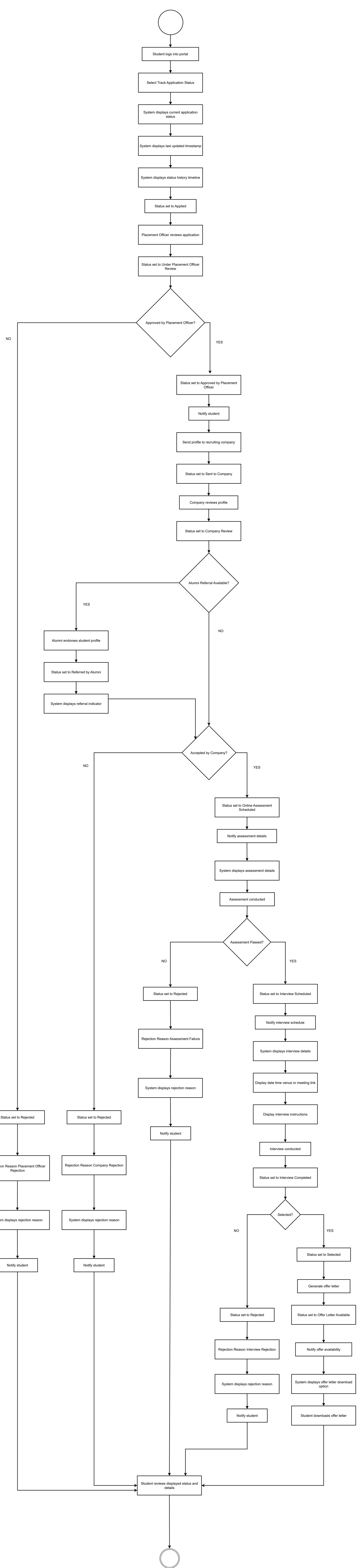
College Placement & Internship Portal



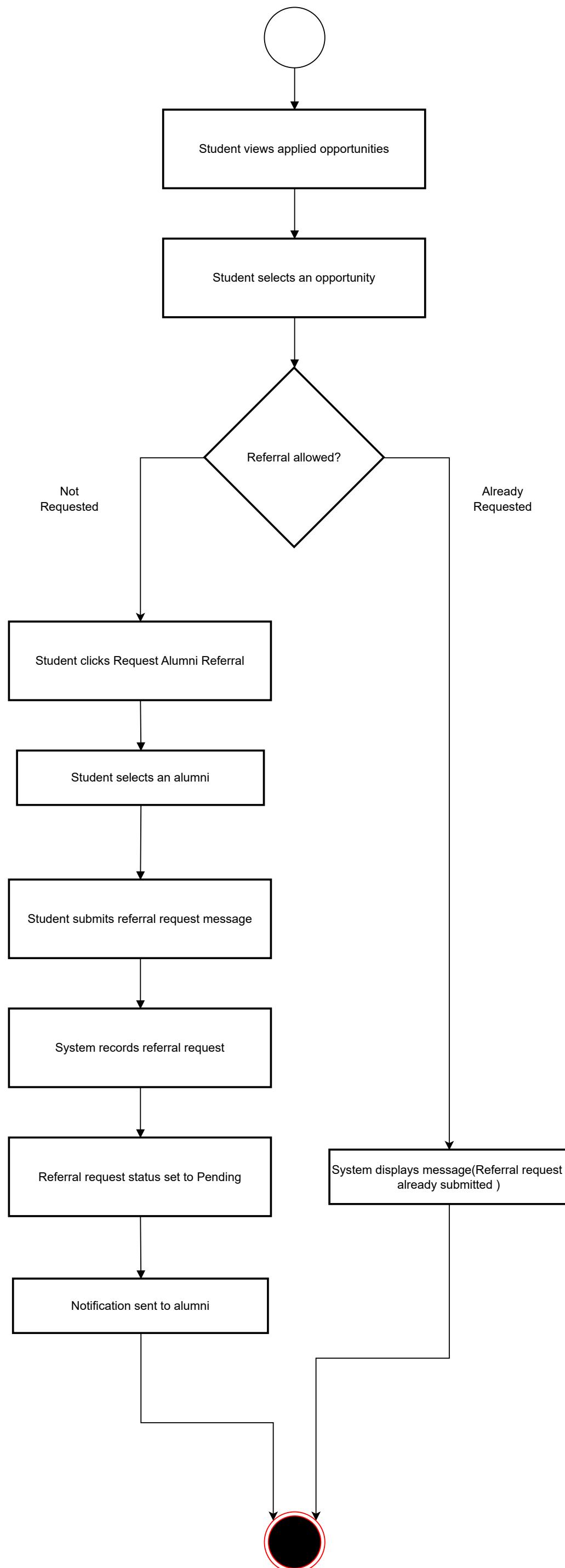
Apply for Opportunity



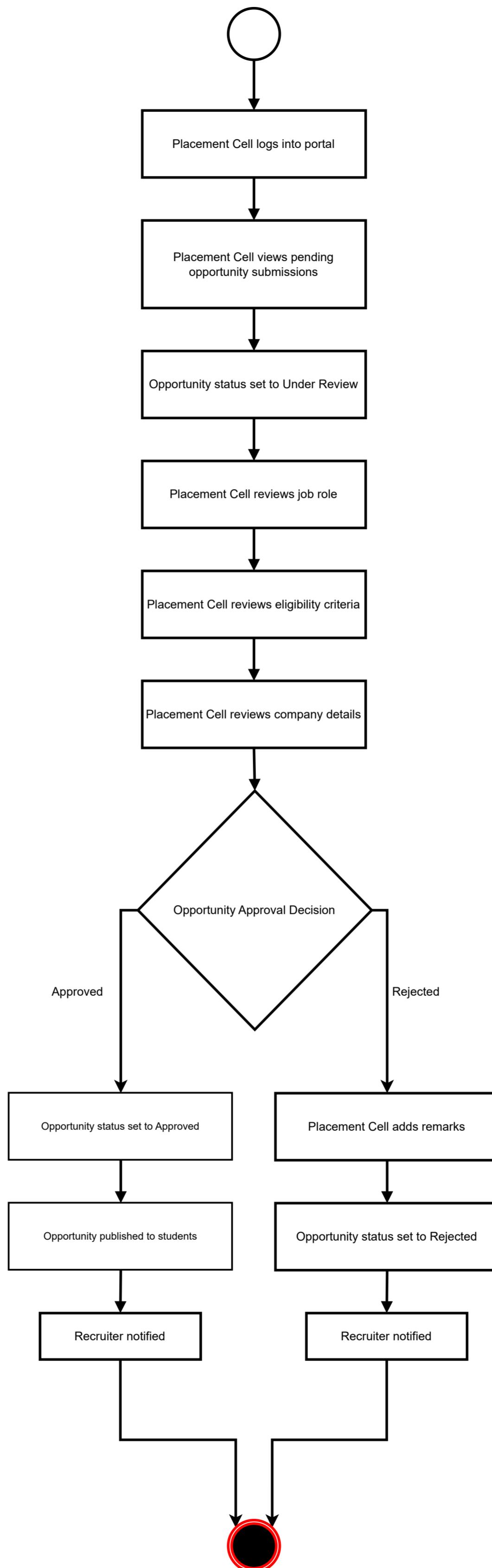
Track Application Status



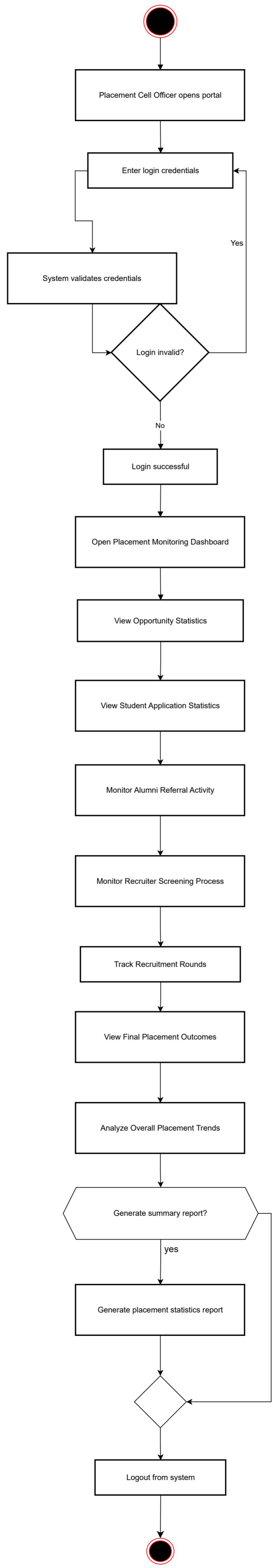
Request Alumni Referral



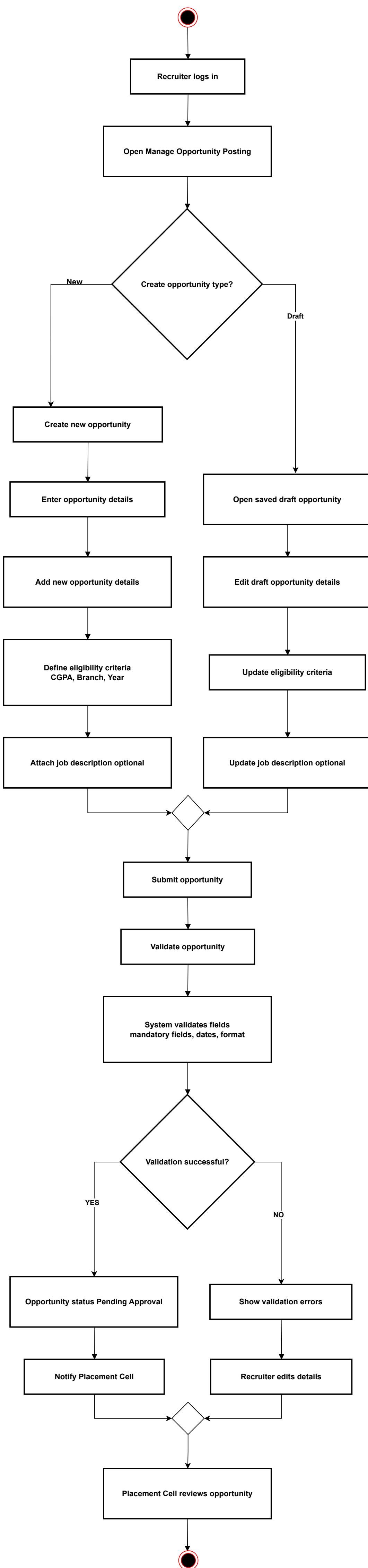
Approve Opportunity



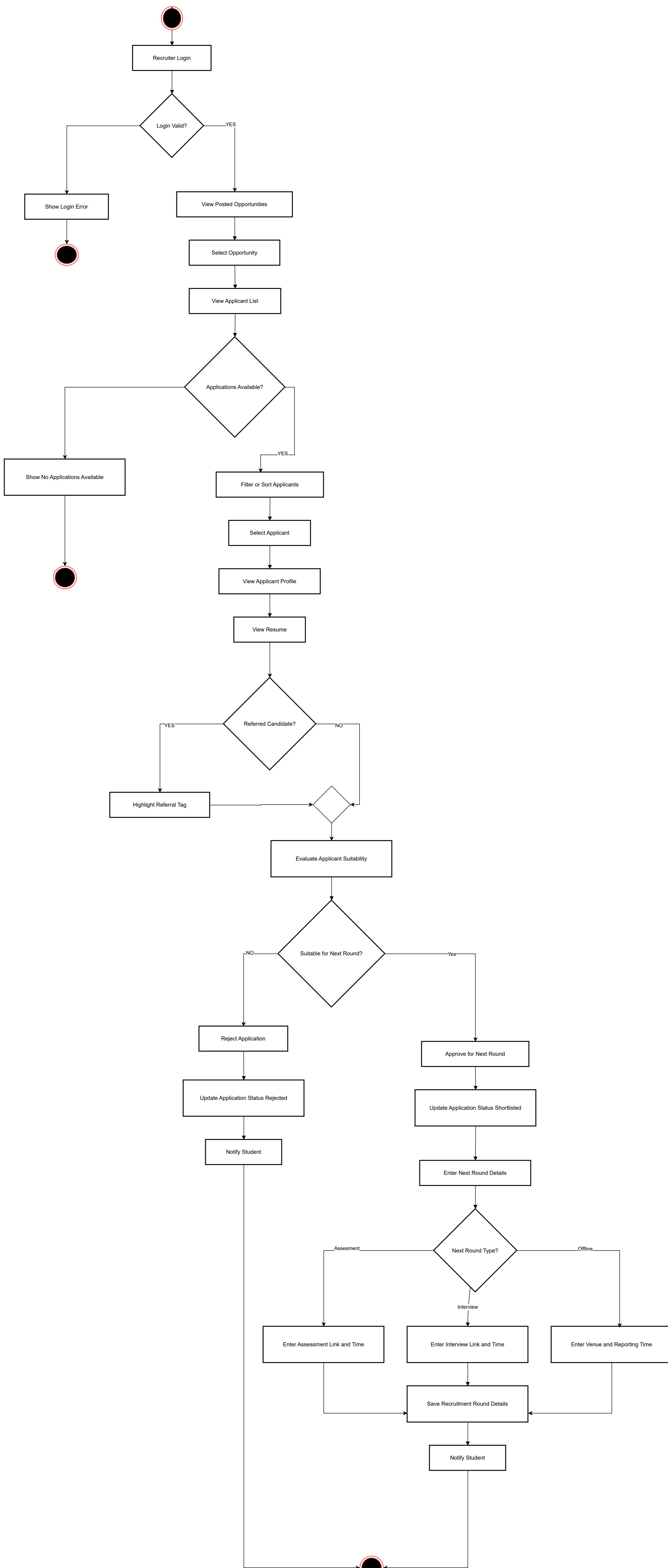
Monitor Placement Statistics



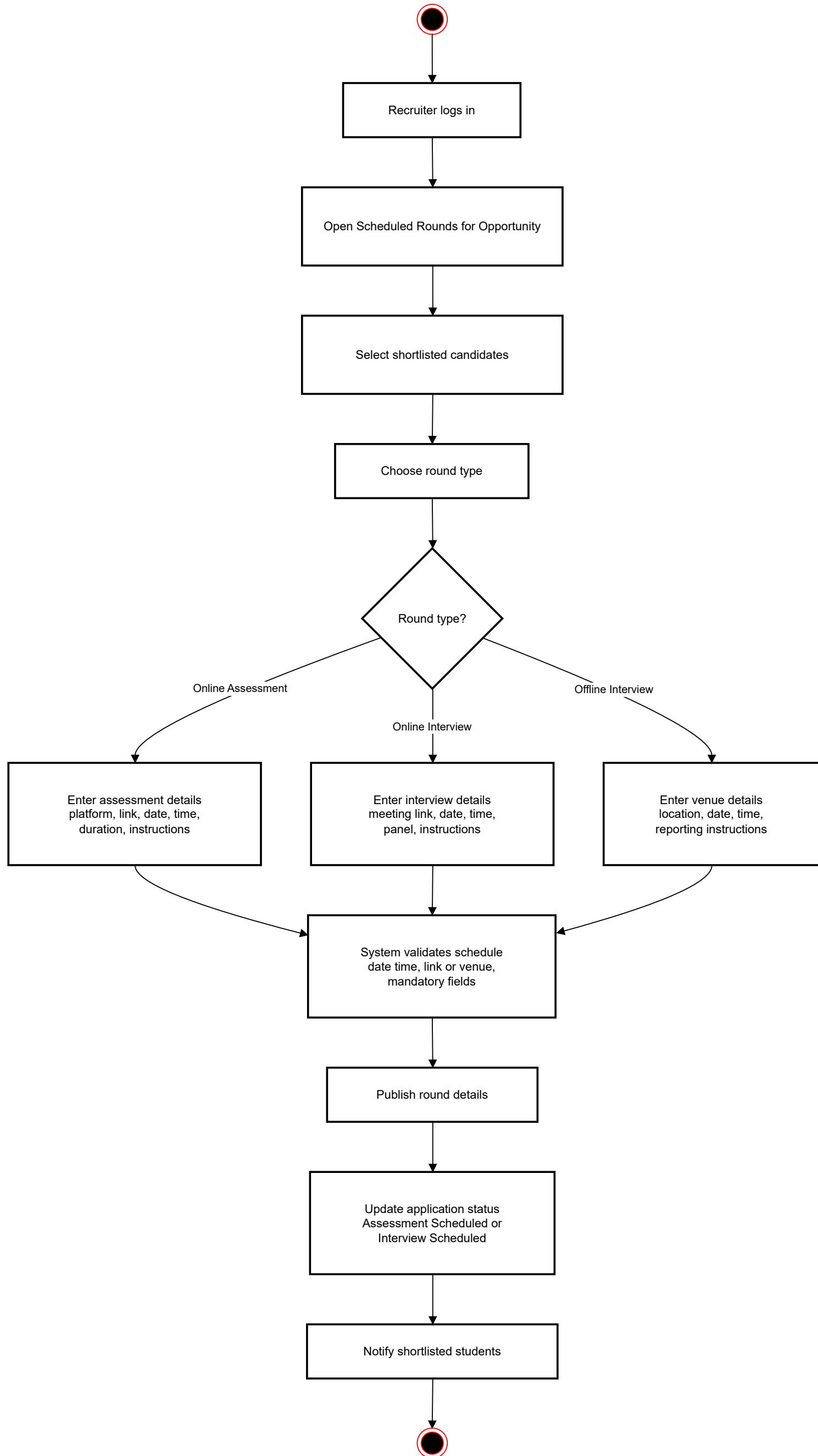
Manage Opportunity Posting

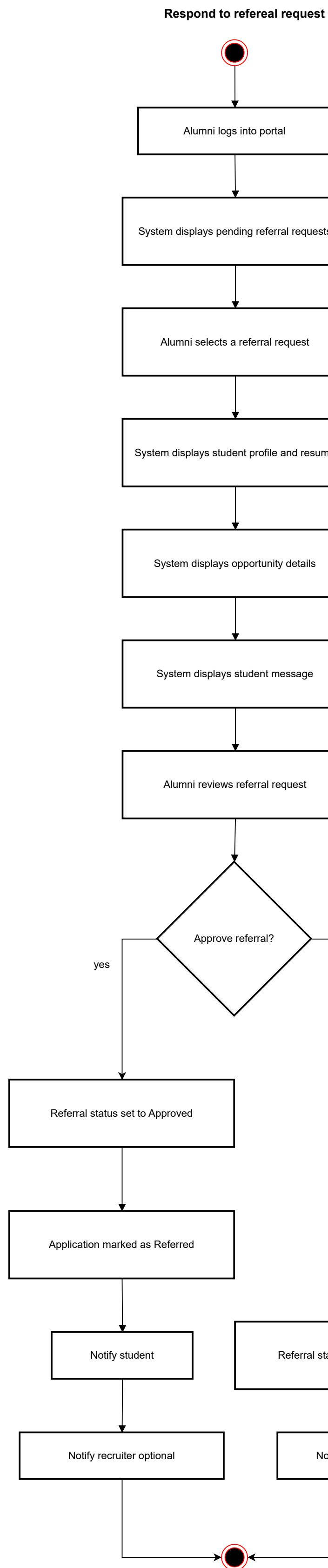


Screen Applicants



Schedule Recruitment Round





Analyze Student profile & progress with suggestions

