

1. Student Registration & Admin Approval

- **Student** submits registration form via frontend.
 - **Frontend** sends data to Backend API: `POST /StudentAccount/register`.
 - **Backend** validates input, creates **AspNetUsers** record with `Status = Pending`.
 - **Frontend** shows message: "Registration submitted. Await admin approval."
 - **Admin** reviews pending registrations:
 - **Approve:** Student can log in and upload documents.
 - **Reject:** Student denied from login.
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2. Student Login

- Student can log in even if `Status = Pending`.
 - Backend returns user info and login token.
 - Frontend behavior:
 - **Approved:** full access (profile + document upload).
 - **Pending:** login allowed but upload blocked; message shown: "Admin approval required."
 - **Rejected:** login denied.
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3. Student Profile & Document Upload (Post-Approval)

- Student fills profile details: **FullName, Phone, Address, CourseApplied, etc.**
 - Student uploads relevant documents (multiple files with **DocumentType**).
 - Frontend calls API: `POST /Student/profile-upload` (multipart/form-data).
 - Backend validates profile info and files.
 - Saves files in `/Uploads/{studentId}/{yyyy}/{MM}/{GUID}.pdf`.
 - Updates **Student table**.
 - Inserts into **Document table** with `Status = Pending`.
 - Frontend lists uploaded documents with status (Pending / Approved / Rejected).
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4. Admin Document Approval / Rejection

- Admin views pending documents.
 - Approves or rejects each document:
 - **Approve:** Status = Approved.
 - **Reject:** Status = Rejected + Remarks.
 - Frontend displays updated status to student.
 - Rejected documents can be resubmitted.
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5. Student Resubmission of Rejected Documents

- Student sees rejected documents with remarks.
- Student re-uploads corrected documents.
- Frontend calls API: `POST /Student/profile-upload` or `PUT /Document/resubmit`.
- Backend updates **Document table** with new file path and `Status = Pending`.
- Frontend updates document list to Pending.

6. Profile Completion Calculation

• Formula:

Profile Completion % = (Number of required documents uploaded & approved / Total required documents) * 100%

- Only approved documents count.
- Frontend shows progress bar or percentage.

7. Rules Summary

Action	Allowed?	Notes
Student login before approval	✓ Allowed	Upload blocked; can view registration status
Upload documents before approval	✗ Not allowed	Show message: "Await admin approval"
Upload documents after approval	✓ Allowed	Status = Pending initially
Admin approves registration	✓ Allowed	Enables upload & profile edit
Admin approves document	✓ Allowed	Status = Approved
Admin rejects document	✓ Allowed	Status = Rejected + Remarks; student can resubmit
Resubmit rejected document	✓ Allowed	Status = Pending

8. Full Data Flow (Text Version)

Student Frontend: - Register → Backend → AspNetUsers (Status = Pending) → Show: "Await Admin Approval" - Login → Backend (returns status + token) - If Approved → Access Profile & Upload - If Pending → Show message; upload blocked - If Rejected → Show rejection remarks - Upload Profile + Documents → Backend → Update Student & Document Tables - List documents (Pending/Approved/Rejected + Remarks) - Resubmit Rejected Documents → Backend → Document Table (Status = Pending)

Admin Frontend: - View Pending Registrations → Backend → AspNetUsers Table - Approve/Reject Registration → Backend → Update Status + Remarks - View Pending Documents → Backend → Document Table - Approve/Reject Documents → Backend → Update Status + Remarks