

CAP SYSTEM - SIMPLIFIED DATA FLOW DIAGRAMS

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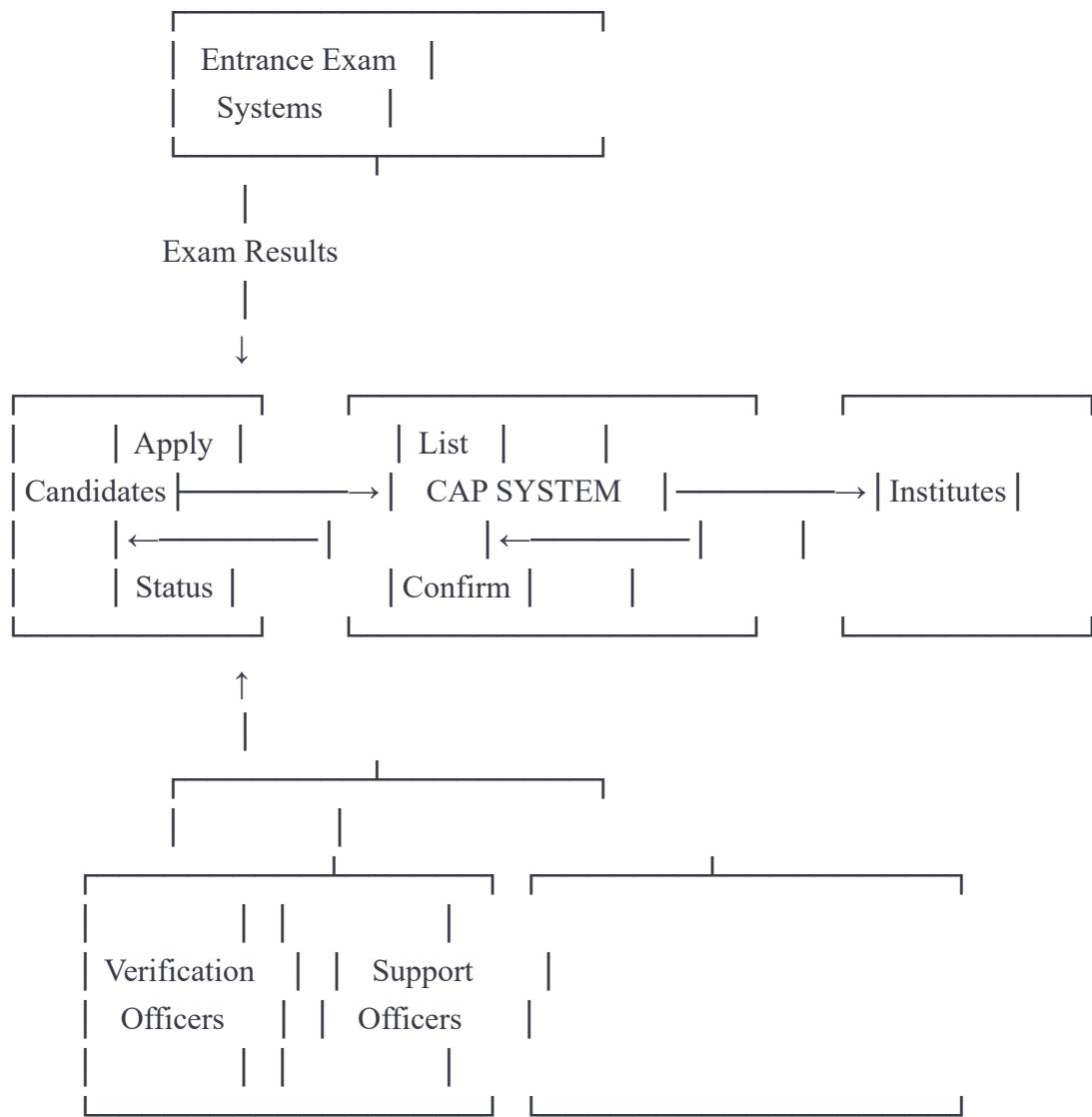
System: Centralized Admission Process (CAP) for B.E/B.Tech Admissions

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1. CONTEXT DIAGRAM (Level 0)



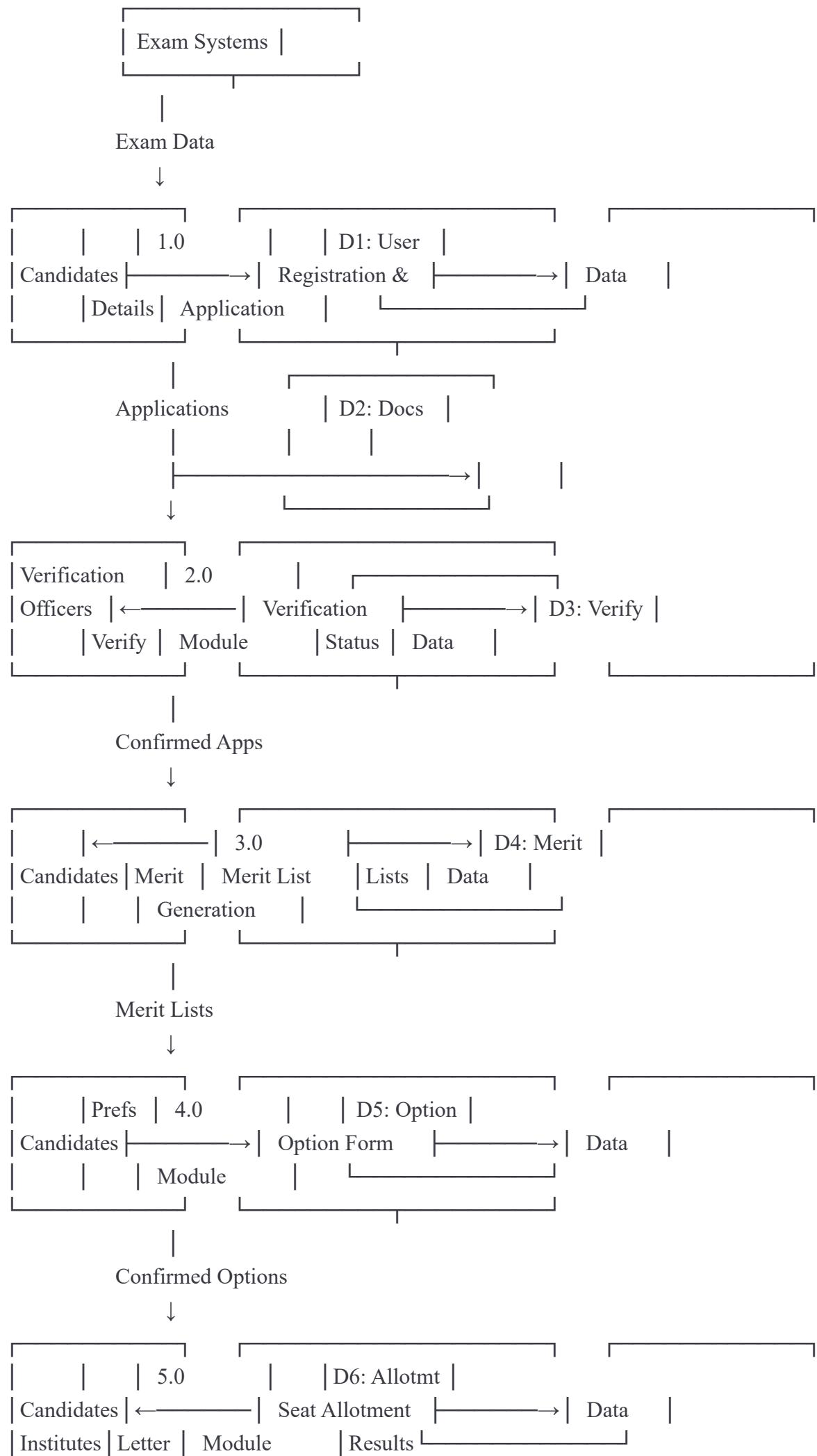


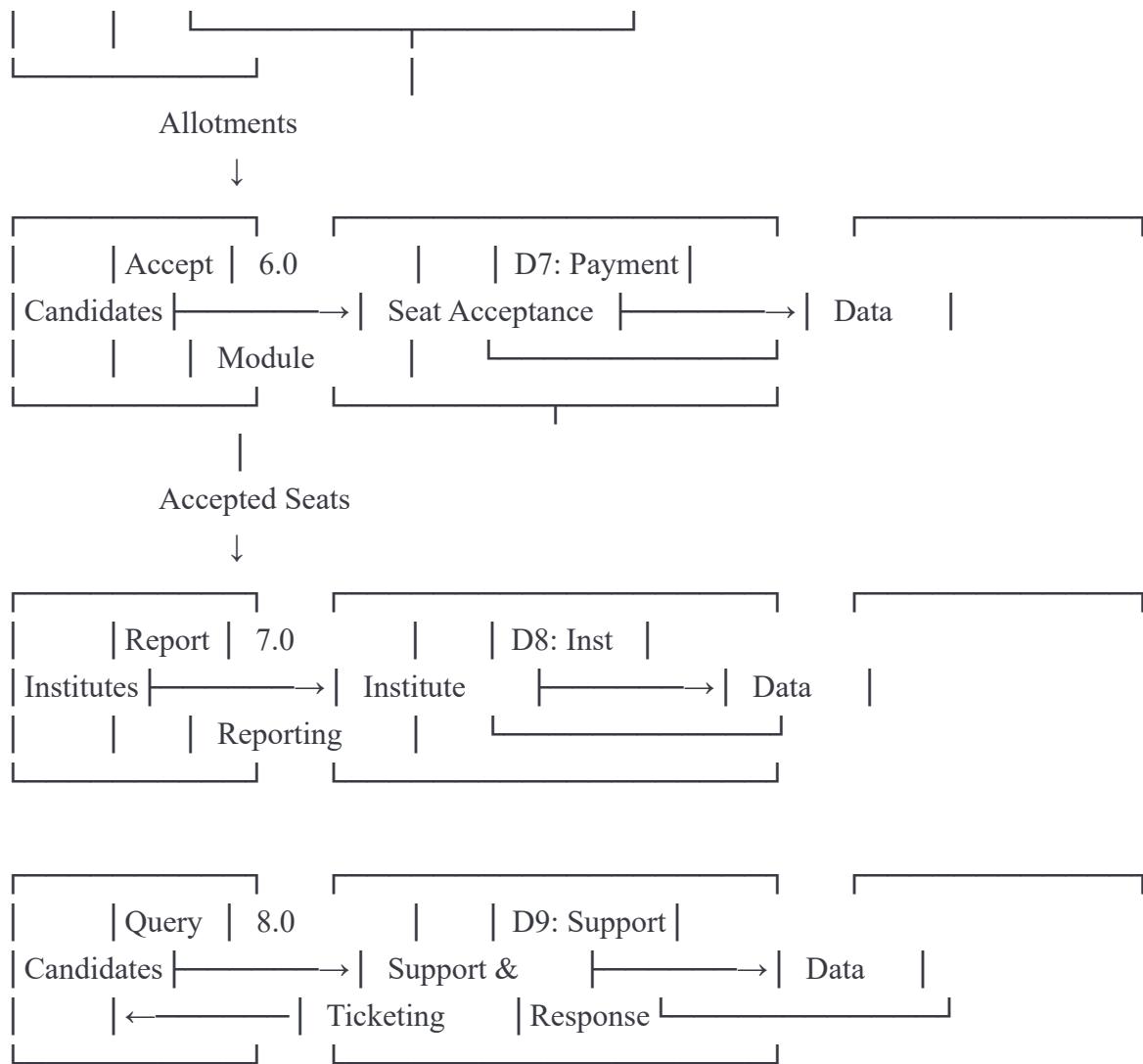
External Entities:

- **Candidates** - Apply, receive status updates
- **Institutes** - Receive allotted candidates, confirm admissions
- **Entrance Exam Systems** - Provide exam results
- **Verification Officers** - Verify documents
- **Support Officers** - Handle queries

2. LEVEL 1 DFD







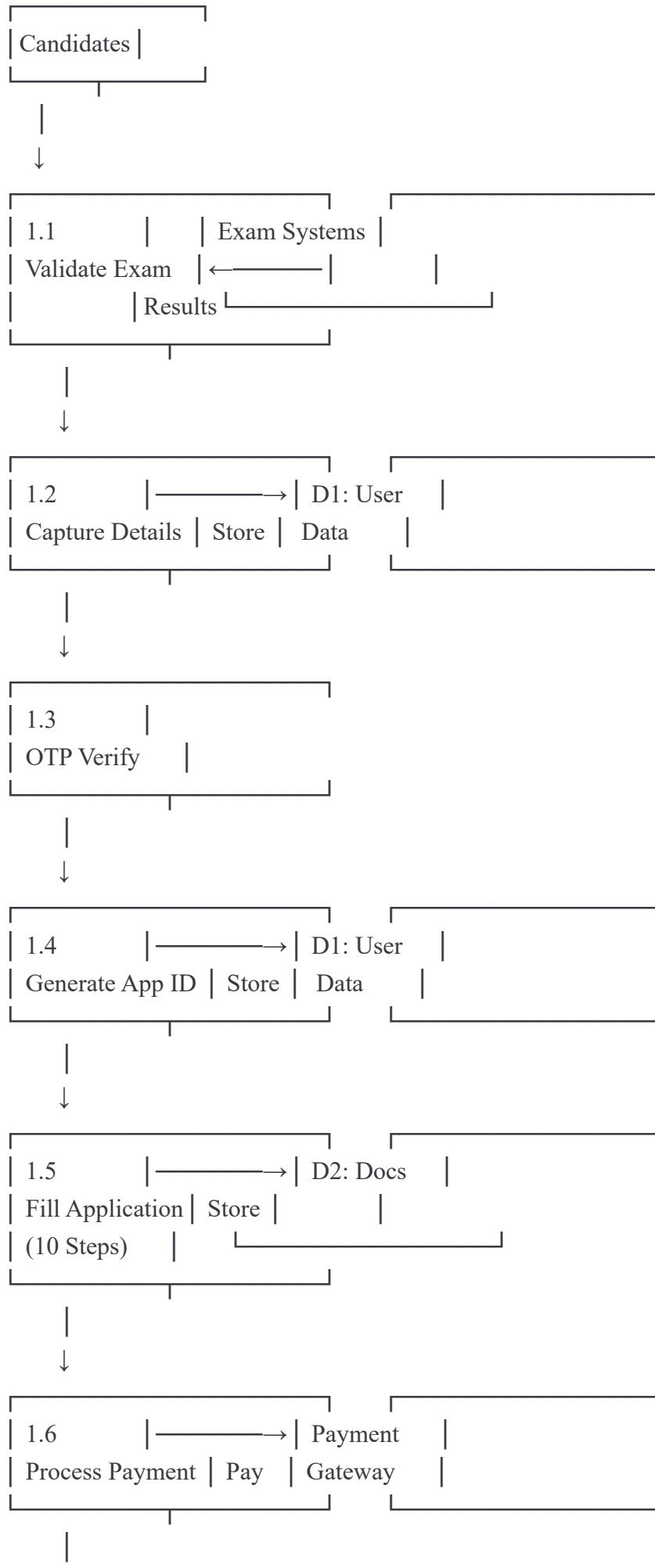
Data Stores:

- **D1: User Data** - Candidate profiles and applications
 - **D2: Docs** - Uploaded documents
 - **D3: Verify Data** - Verification records
 - **D4: Merit Data** - Merit lists and scores
 - **D5: Option Data** - Candidate preferences
 - **D6: Allotmt Data** - Seat allocations
 - **D7: Payment Data** - Payment transactions
 - **D8: Inst Data** - Institute admissions
 - **D9: Support Data** - Support tickets

3. LEVEL 2 DFD - KEY PROCESSES

3.1 Registration & Application (Process 1.0)





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[To 2.0]

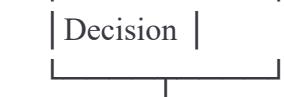
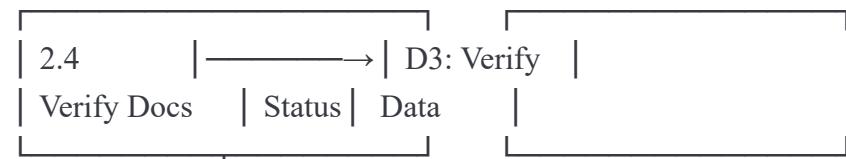
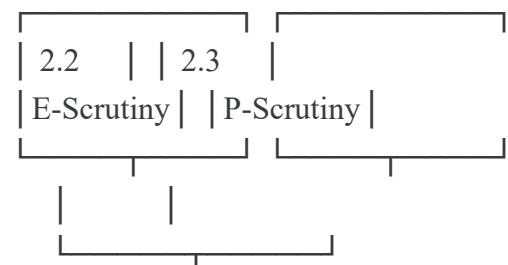
3.2 Verification Module (Process 2.0)



[From 1.0]



E-Scrutiny P-Scrutiny



Revert Optional Confirm



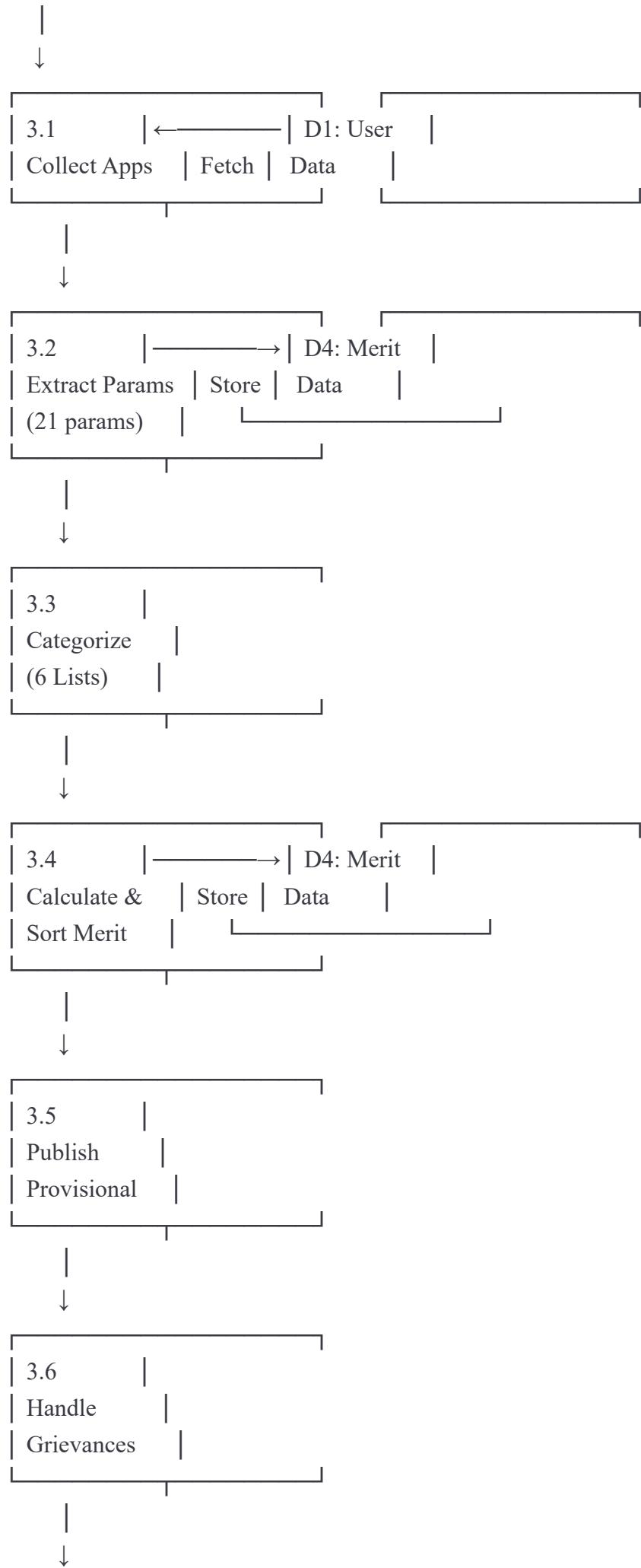
↓ | ↓ [Return] [To 3.0]

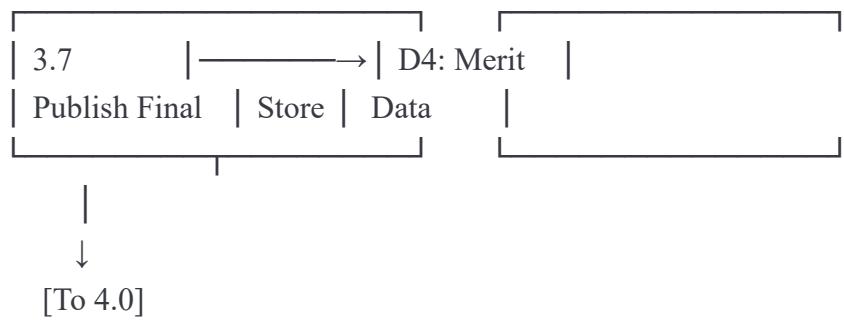
[To 3.0]

3.3 Merit List Generation (Process 3.0)



[From 2.0]

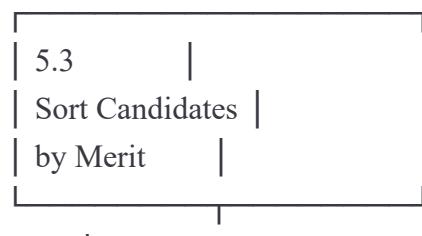
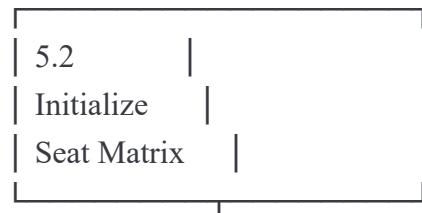
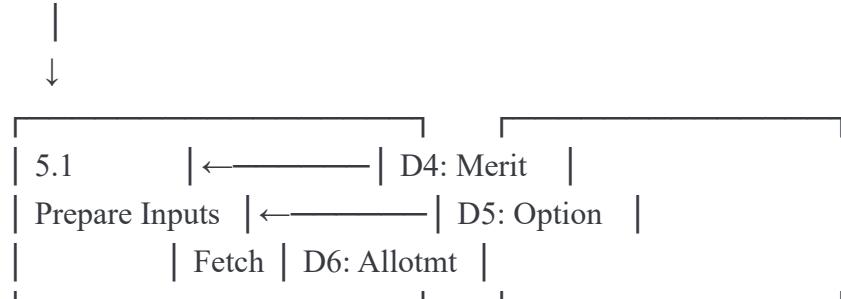




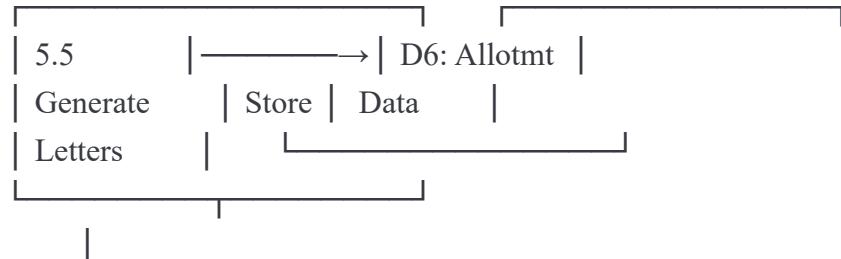
3.4 Seat Allotment (Process 5.0)



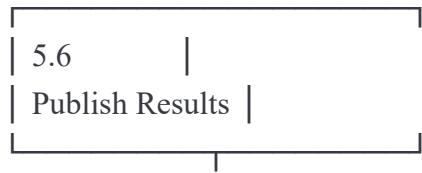
[From 4.0]



Allotted Not Allotted



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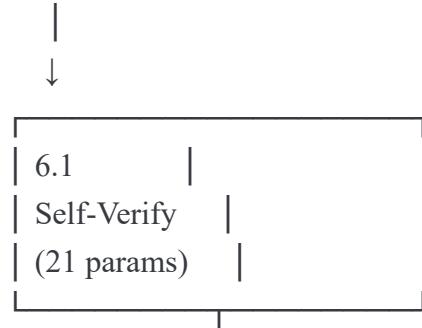
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[To 6.0]

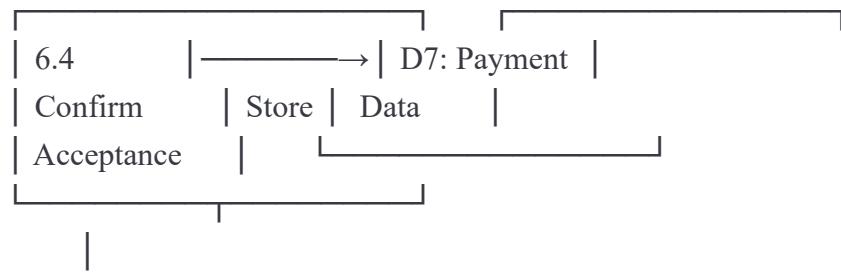
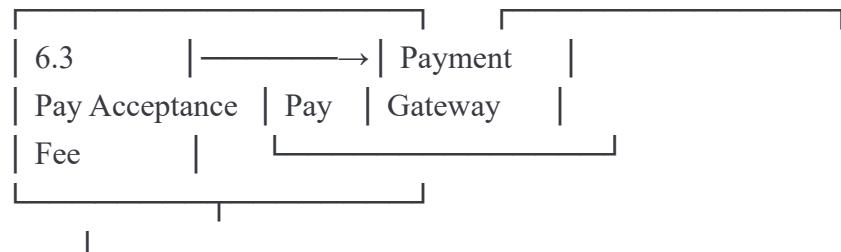
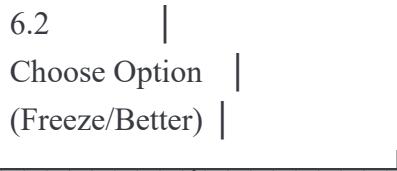
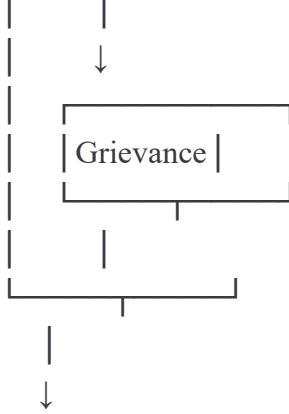
3.5 Seat Acceptance (Process 6.0)



[From 5.0]



Correct Incorrect



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[To 7.0]

SUMMARY

Process Flow Summary:

1. **Registration** → Candidates register with exam validation
2. **Application** → 10-step form filling and document upload
3. **Verification** → E-Scrutiny or P-Scrutiny verification
4. **Merit List** → Generate and publish merit rankings
5. **Option Form** → Candidates select institute preferences
6. **Allotment** → Seats allocated based on merit
7. **Acceptance** → Candidates accept and pay for seats
8. **Reporting** → Final admission at institutes

Key Data Flows:

- **Exam Data** → From external systems to CAP
- **Application Data** → From candidates to system
- **Verification Data** → Between officers and system
- **Merit Data** → Generated and published to candidates
- **Preferences** → From candidates for allotment
- **Allotment Results** → To candidates and institutes
- **Payment Data** → Between candidates and payment gateway

END OF SIMPLIFIED DFD DOCUMENT