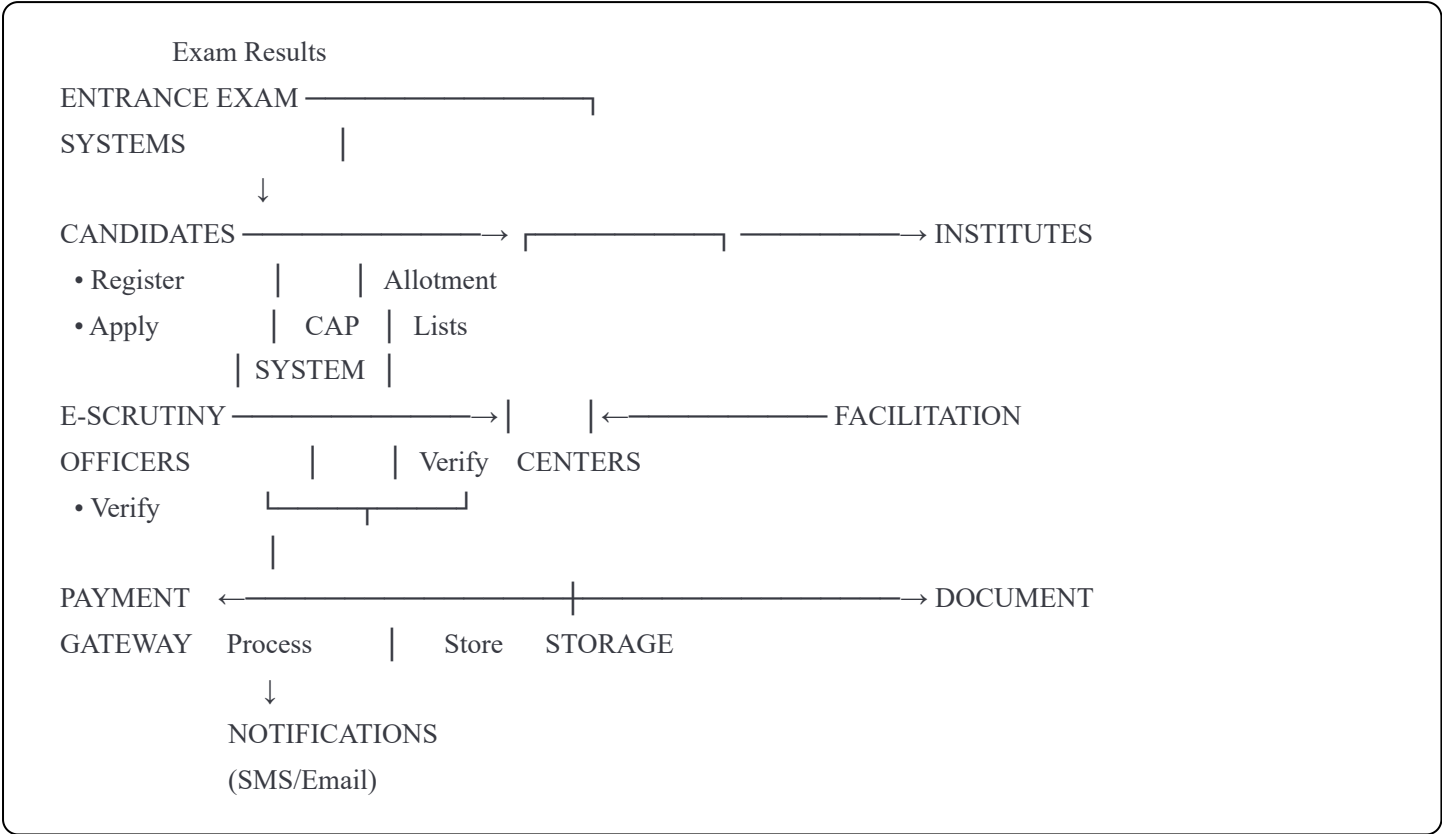
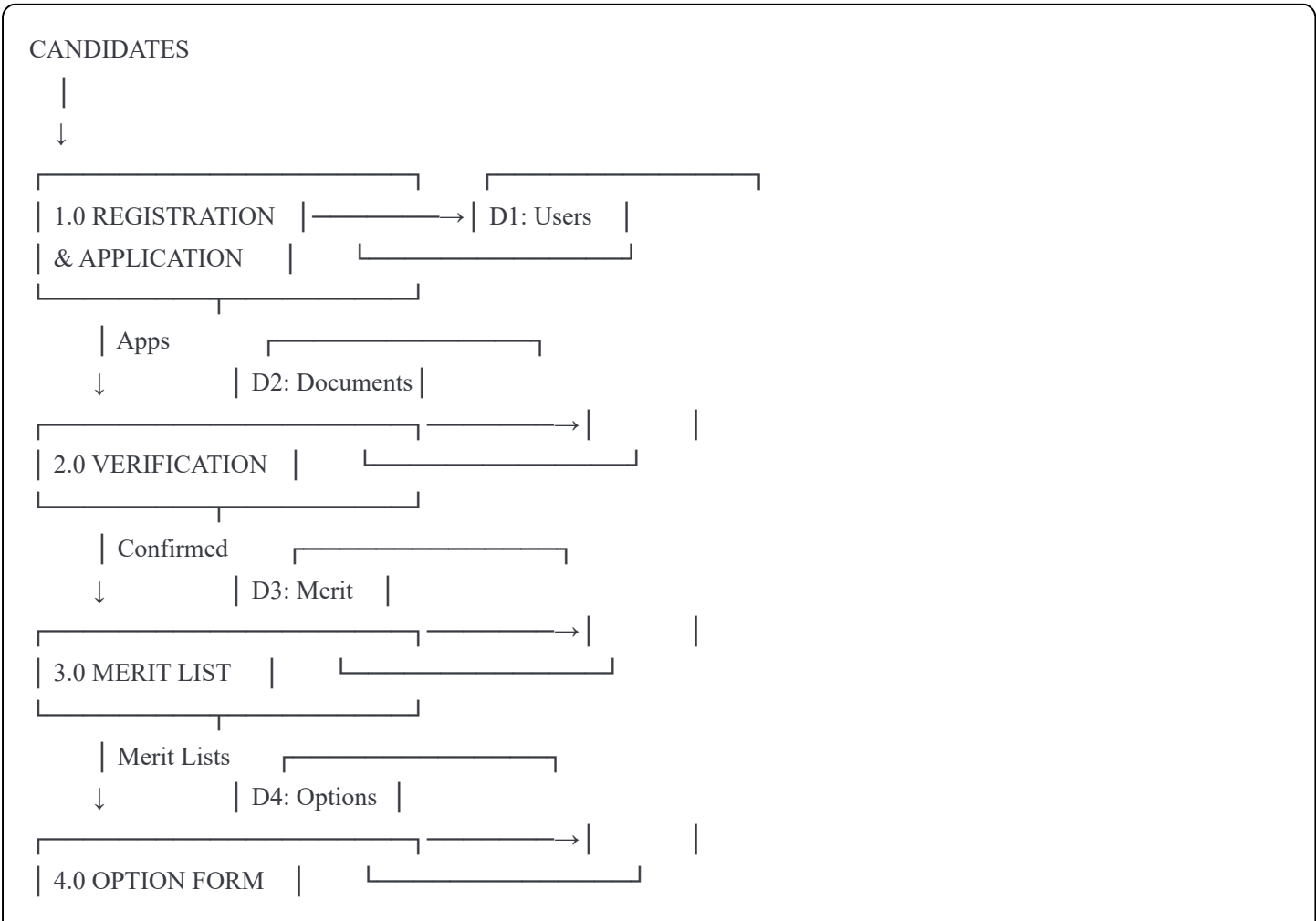


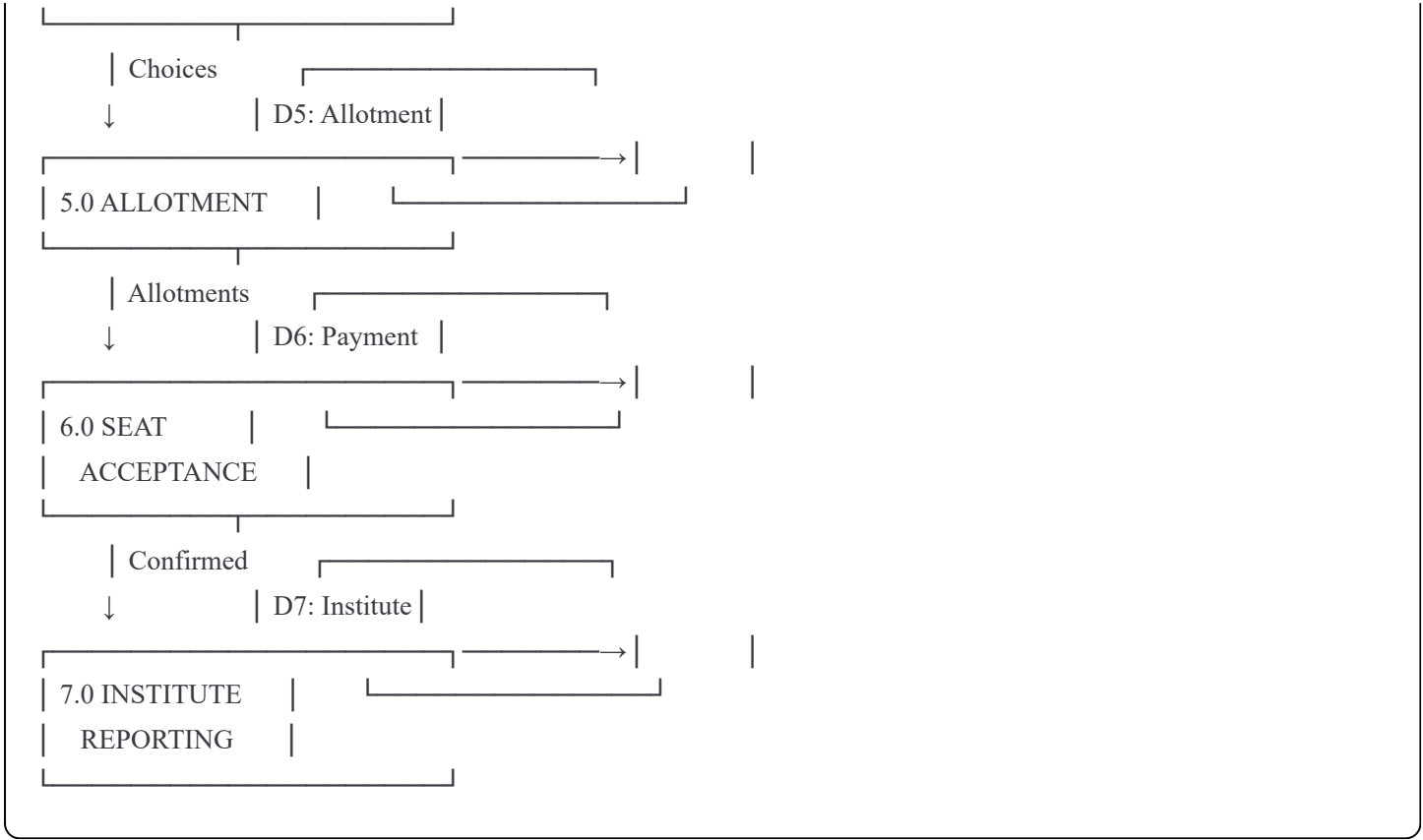
CAP SYSTEM - COMPACT DIAGRAMS

1. CONTEXT DIAGRAM (Level 0 DFD)

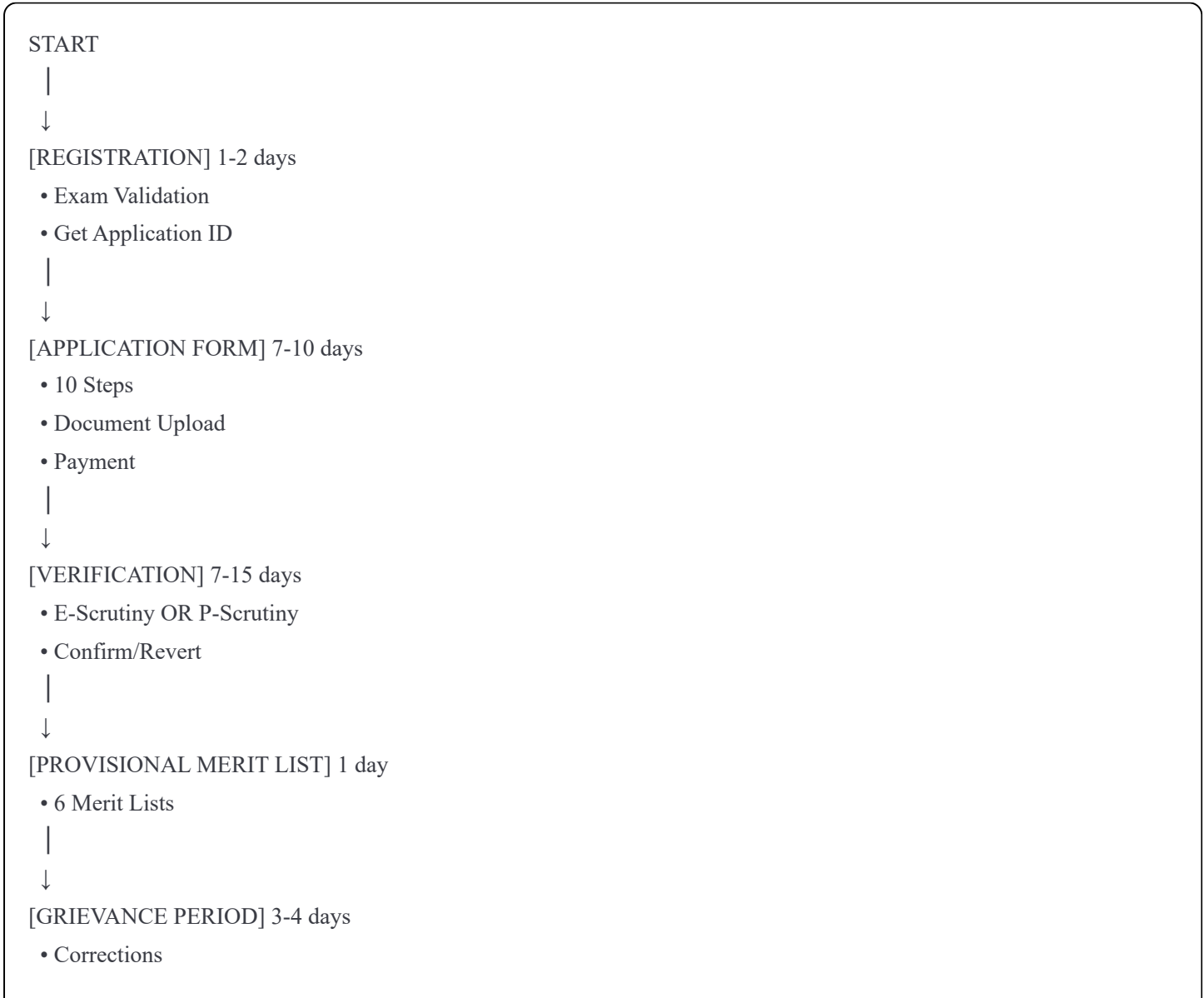


2. LEVEL 1 DFD - MAIN PROCESSES





3. COMPLETE CAP PROCESS FLOWCHART




```
<Score > 0?> —NO→ ERROR
| YES
↓
[Personal Details]
|
↓
[Address Details]
|
↓
[Mobile + Email]
|
↓
<Duplicate?> —YES→ ERROR
| NO
↓
[Create Password]
|
↓
[Generate OTP]
|
↓
[Send SMS/Email]
|
↓
[Enter OTP]
|
↓
<OTP Valid?> —NO→ RETRY (Max 3)
| YES
↓
[Generate App ID]
|
↓
[Send Confirmation]
|
↓
END
```

5. VERIFICATION FLOWCHART (E-Scrutiny)

```
START
|
↓
[Auto-Assign Officer]
|
↓
```

[Officer Picks Up]

|

↓



|

↓

<Mandatory Issue?> —YES→ [REVERT] → Wait

| NO

↓

<Optional Issue?> —YES→ [Remove

| NO

Benefit]

↓

[CONFIRM]

|

[PROVISIONAL

|

CONFIRM]

|

↓

[Acknowledgement]

↓

END

|

[Candidate Corrects] ←

6. ALLOTMENT ALGORITHM FLOWCHART

START

|

↓

[Load: Merit Lists + Options + Seats]

|

↓

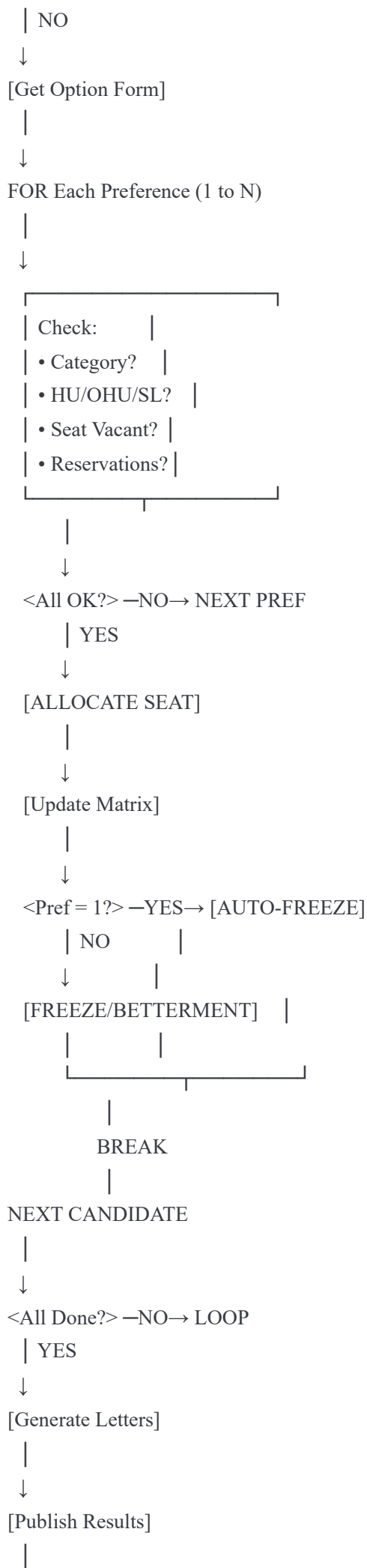
FOR Each Candidate (Merit Order)

|

↓

<Already FREEZE/> —YES→ SKIP

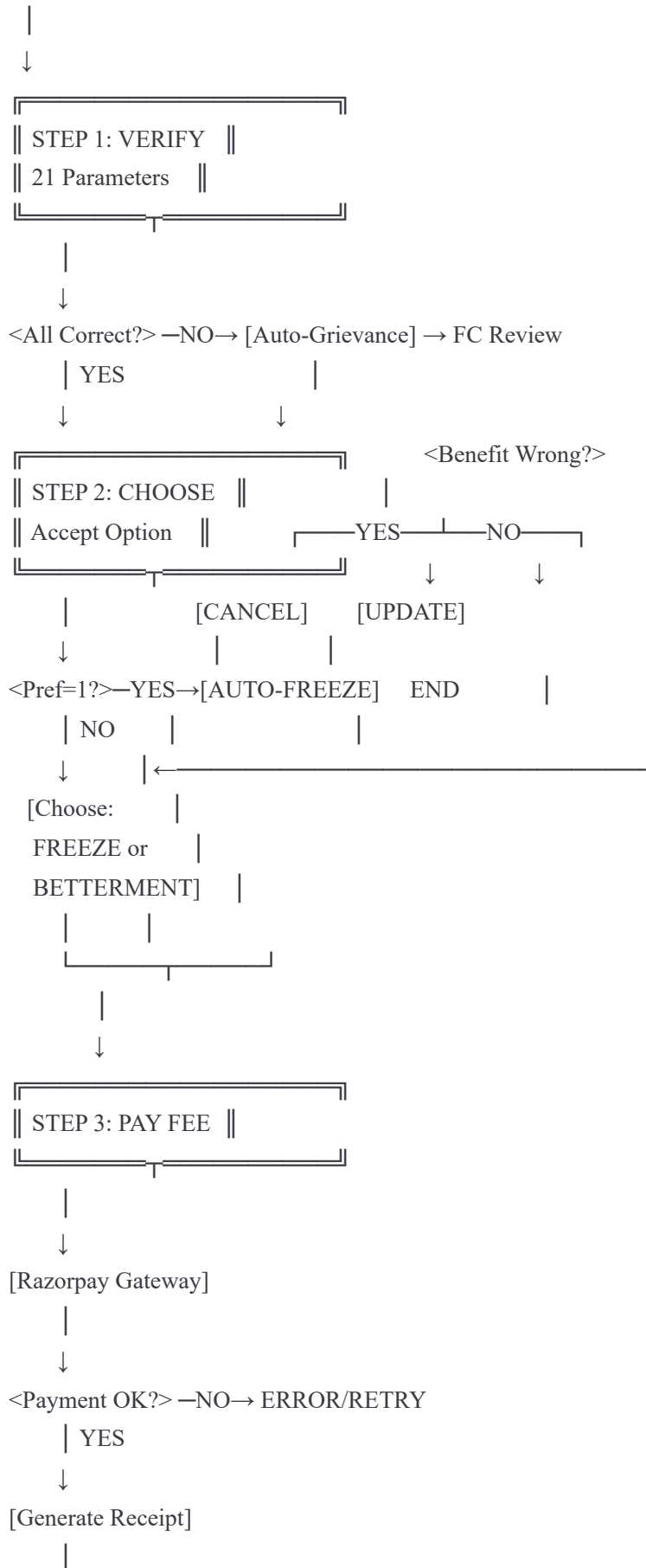
<AUTO-FREEZE?>

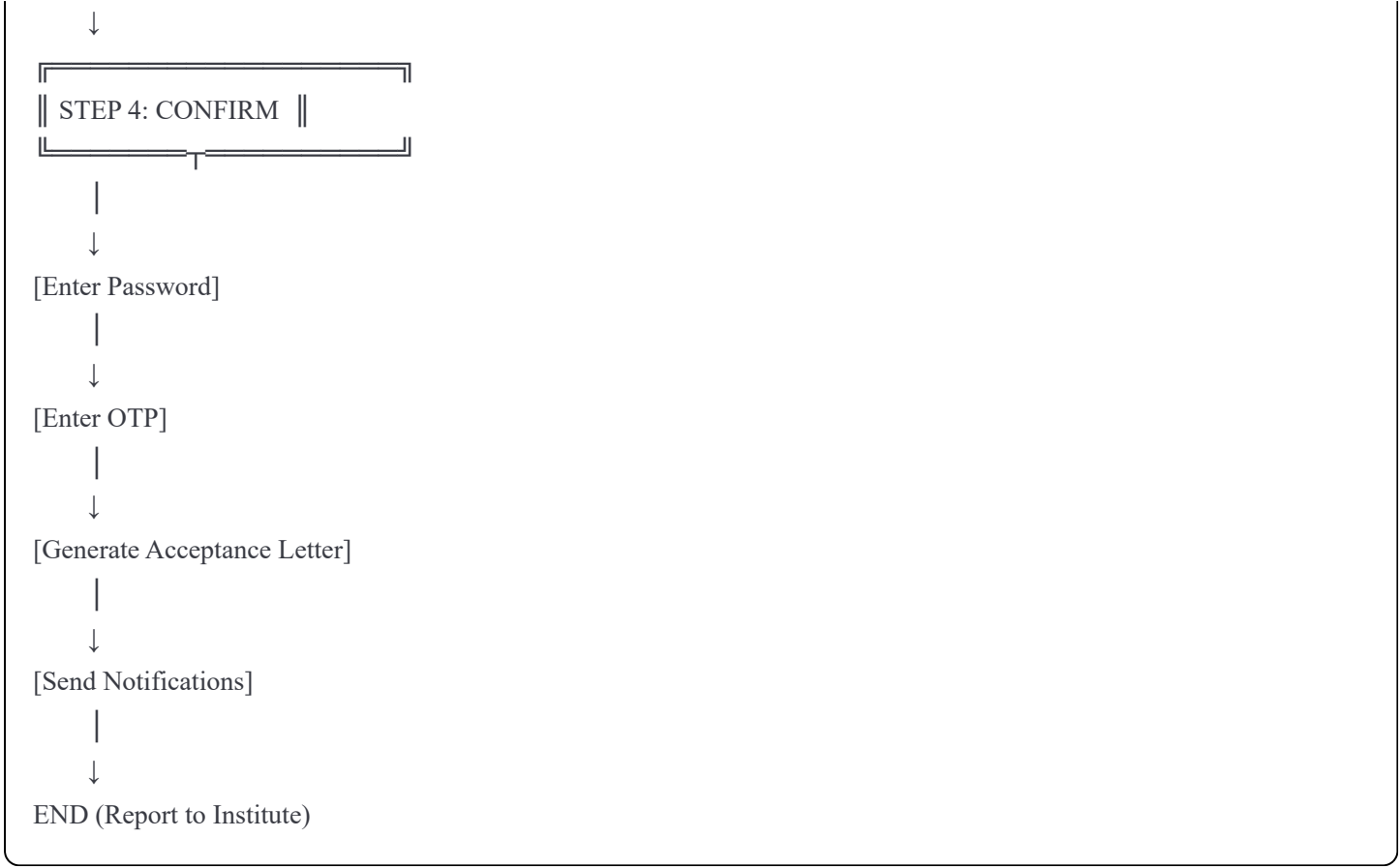


↓
END

7. SEAT ACCEPTANCE FLOWCHART

START (After Allotment)



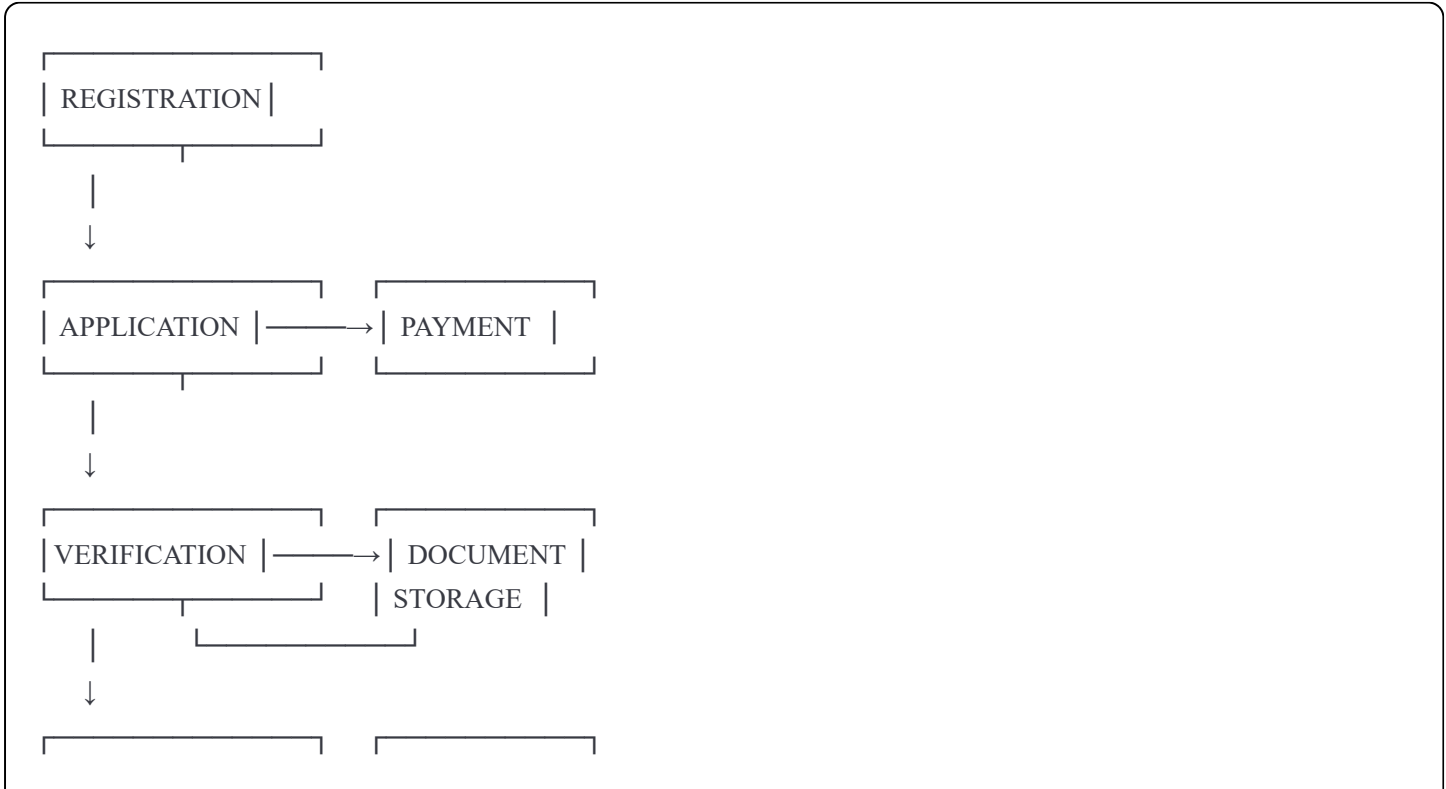


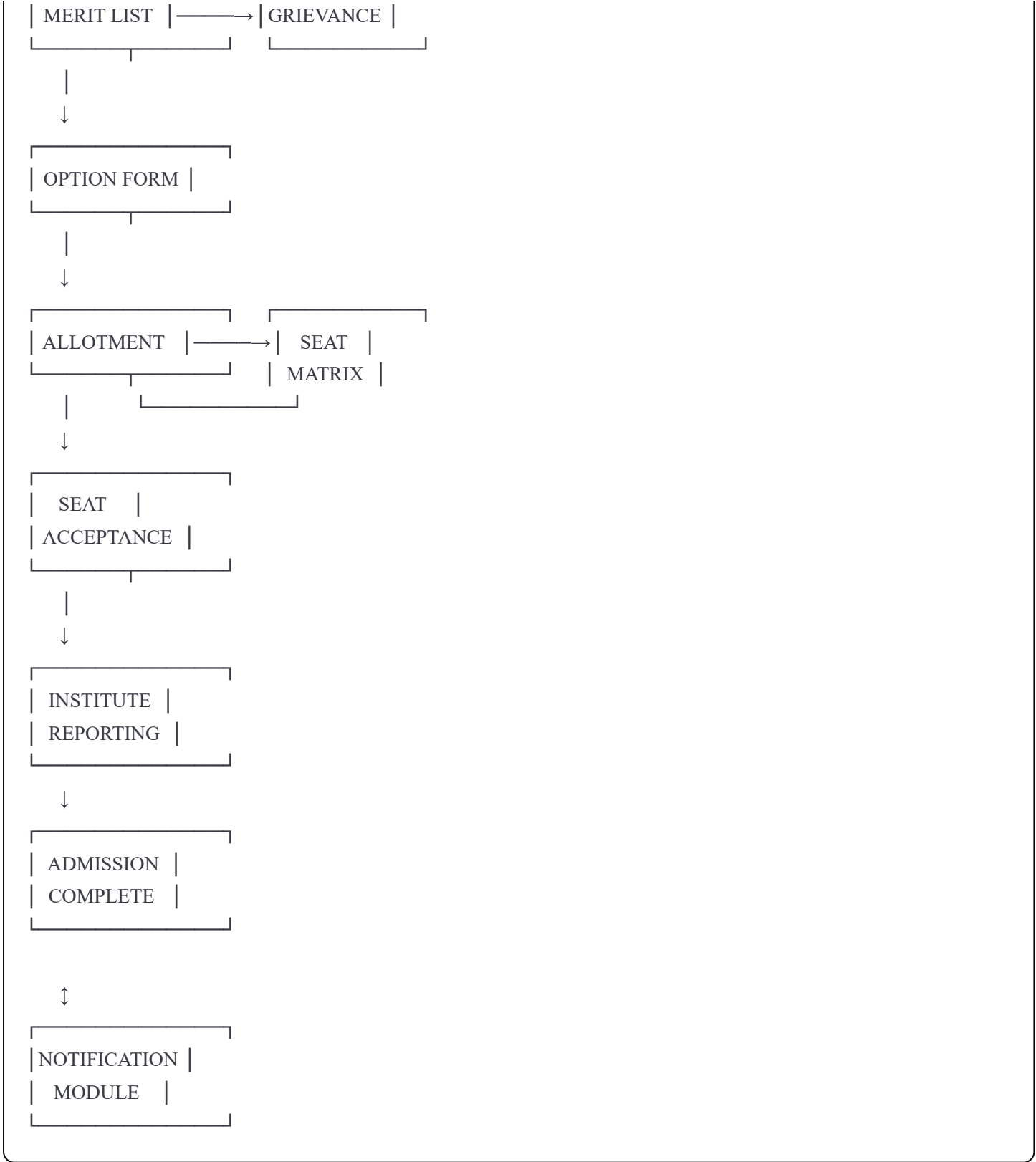
8. DATA FLOW - REGISTRATION TO ADMISSION



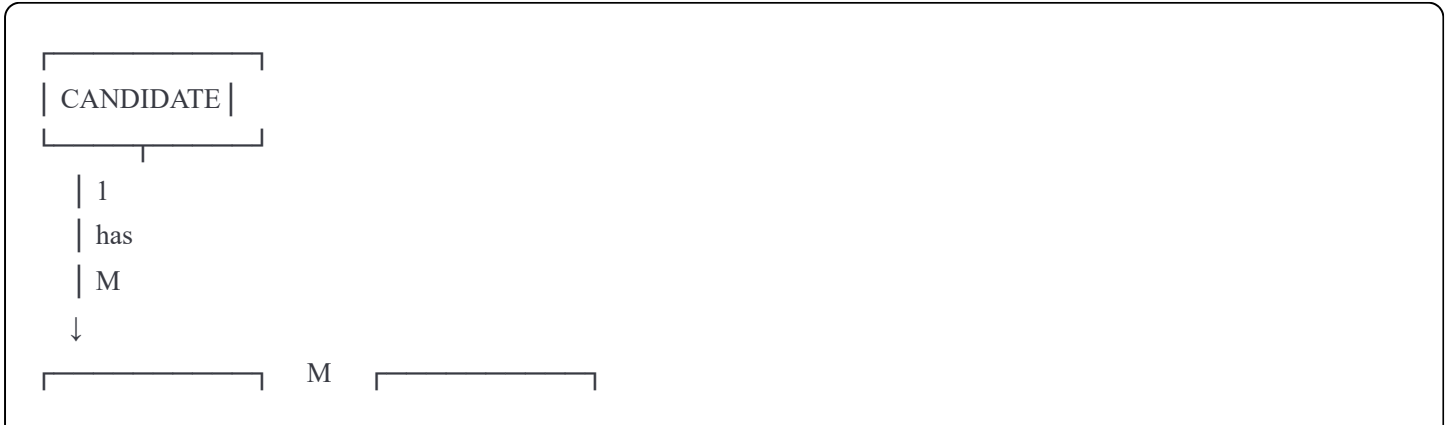


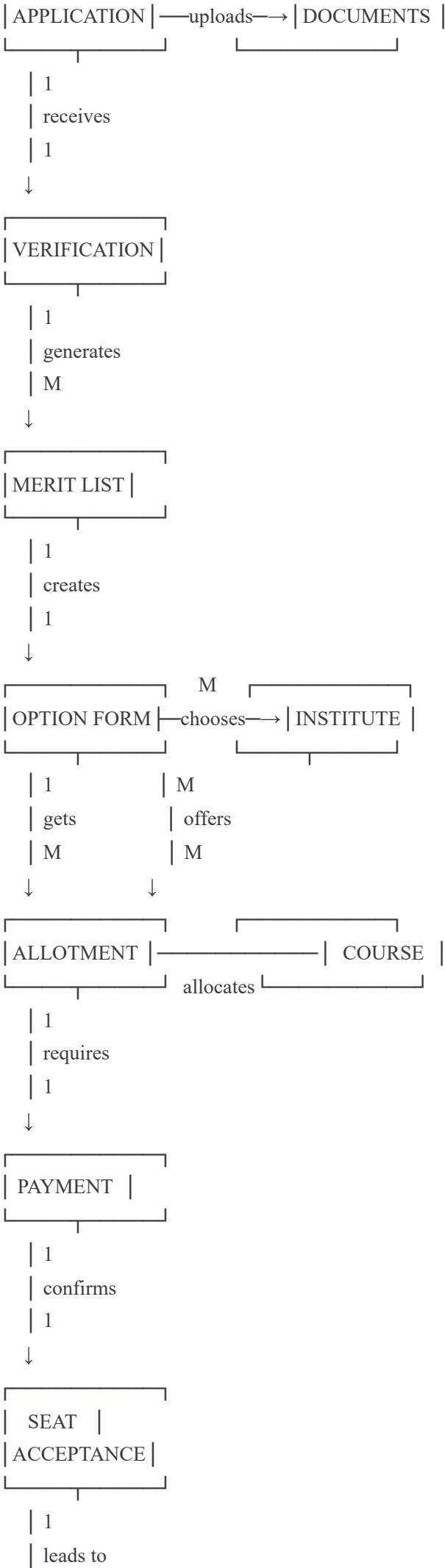
9. MODULE INTERACTION DIAGRAM





10. ENTITY RELATIONSHIP DIAGRAM







END OF COMPACT DIAGRAMS

Total Pages: ~10 pages in PDF format