Sno	Variable	Actual Rscope	Actual Wscope
1	Student. LoggedIn. SetRoom. room	[Student. LoggedIn. SetRoom]	[Student. LoggedIn. SetRoom]
2	Student. LoggedOut. user	[tlogin]	[Student. LoggedOut]
3	Student. LoggedIn. ViewDetails. room	[]	[Student. LoggedIn. ViewDetails]
4	Student. LoggedIn. loggedinUser	[Student. LoggedIn. SetRoom, Student. LoggedIn. ViewDetails]	[tlogin]
5	Student. LoggedIn. ViewDetails. student	[]	[Student. LoggedIn. ViewDetails]
6	Student. rooms	[Student. LoggedIn. SetRoom, Student. LoggedIn. ViewDetails]	[Student. LoggedIn. SetRoom]
7	Student. students	[tlogin]	[]
8	Student. LoggedOut. password	[tlogin]	[Student. LoggedOut]

Table 1: Actual R and W scope for Curfew1.txt

1

Sno	Variable	Actual Rscope	Actual Wscope
1	Curfew. registration. userName	[register-success, register-failure]	[Curfew. registration]
2	Curfew. LoggedIn. AdminDashboard. SetRoom. room	[Curfew. LoggedIn. AdminDashboard. SetRoom]	[Curfew. LoggedIn. AdminDashboard. SetRoom]
3	Curfew. LoggedIn. student-dashboard. view-my-requests. myrequests	[]	[Curfew. LoggedIn. student-dashboard. view-my-requests]
4	Curfew. LoggedIn. student-dashboard. request-curfew. request-LateOut. outTime	[]	[Curfew. LoggedIn. student-dashboard. request-curfew. request-LateOut]
5	Curfew. registration. usertype	[]	[Curfew. registration]
6	Curfew. LoggedIn. AdminDashboard. view-requests. pending-requests. prsel	[pr-approve-pr, pr-proof-pr, pr-reject-pr]	[pr-select-pr]

7	Curfew. LoggedIn. student-dashboard. request-curfew. request-LateOut. curfewLateOut-flag	[Curfew. LoggedIn. student-dashboard. request-curfew. request-LateOut]	[]
8	Curfew. LoggedIn. AdminDashboard. view-requests. ticketid	[]	[]
9	Curfew. LoggedIn. AdminDashboard. view-requests. approved-requests. cr	[]	[Curfew. LoggedIn. AdminDashboard. view-requests. approved-requests]
10	Curfew. nulluser	[register-success, register-failure]	[]
11	Curfew. LoggedIn. student-dashboard. request-curfew. type-of-request	[Curfew. LoggedIn. student-dashboard. request-curfew]	[Curfew. LoggedIn. student-dashboard. request-curfew, Curfew. LoggedIn. student-dashboard. request-curfew. request-LateIn, Curfew. LoggedIn. student-dashboard. request-curfew. request-LateOut, Curfew. LoggedIn. student-dashboard. request-curfew. request-vacation]

12	Curfew. LoggedOut. password	[tlogin-student, tlogin-admin]	[Curfew. LoggedOut]
13	Curfew. rooms	[Curfew. LoggedIn. AdminDashboard. ViewDetails, Curfew. LoggedIn. AdminDashboard. SetRoom]	[Curfew. LoggedIn. AdminDashboard. SetRoom]
14	Curfew. nullRequest	[view-my-requests-upload-curfew-proof]	[]
15	Curfew. LoggedIn. student-dashboard. request-curfew. student	[]	[Curfew. LoggedIn. student-dashboard. request-curfew]
16	Curfew. LoggedIn. loggedinUser	[Curfew. LoggedIn. AdminDashboard. ViewDetails, Curfew. LoggedIn. AdminDashboard. SetRoom, Curfew. LoggedIn. student-dashboard. view-my-requests, Curfew. LoggedIn. student-dashboard. request-curfew, tlogin-student, tlogin-admin]	[tlogin-student, tlogin-admin]
17	Curfew. LoggedIn. loggedinUsertype	[tsetroom, tviewdetails]	[tlogin-student, tlogin-admin]

18	Curfew. LoggedIn. AdminDashboard. view-requests. rejected-requests. rr	[]	[Curfew. LoggedIn. AdminDashboard. view-requests. rejected-requests]
19	Curfew. LoggedIn. AdminDashboard. view-requests. pending-requests. pending-flag	[Curfew. LoggedIn. AdminDashboard. view-requests. pending-requests, pr-approve-pr, pr-reject-pr]	[Curfew. LoggedIn. AdminDashboard. view-requests. pending-requests]
20	Curfew. registration. user	[]	[]
21	Curfew. LoggedIn. AdminDashboard. ViewDetails. room	[]	[Curfew. LoggedIn. AdminDashboard. ViewDetails]
22	Curfew. LoggedIn. student-dashboard. request-curfew. reason	[Curfew. LoggedIn. student-dashboard. request-curfew]	[Curfew. LoggedIn. student-dashboard. request-curfew]

23	Curfew. requests	[Curfew. LoggedIn. AdminDashboard. view-requests. pending-requests, Curfew. LoggedIn. student-dashboard. view-my-requests, Curfew. LoggedIn. student-dashboard. request-curfew, Curfew. LoggedIn. AdminDashboard. view-requests. closed-requests, Curfew. LoggedIn. AdminDashboard. view-requests. approved-requests, Curfew. LoggedIn. AdminDashboard. view-requests. rejected-requests, pr-approve-pr, pr-reject-pr]	[]
24	Curfew. LoggedIn. AdminDashboard. view-requests. closed-requests. closed-flag	[Curfew. LoggedIn. AdminDashboard. view-requests. closed-requests]	[Curfew. LoggedIn. AdminDashboard. view-requests. closed-requests]
25	Curfew. LoggedIn. student-dashboard. request-curfew. teamlist	[]	[Curfew. LoggedIn. student-dashboard. request-curfew]

26	Curfew. LoggedIn. AdminDashboard. view-requests. pending-requests. pr	[pr-select-pr]	[Curfew. LoggedIn. AdminDashboard. view-requests. pending-requests, pr-approve-pr, pr-reject-pr]
27	Curfew. LoggedOut. user	[tlogin-student, tlogin-admin]	[Curfew. LoggedOut]
28	Curfew. nulllist	[pr-approve-pr, pr-proof-pr, pr-reject-pr]	[]
29	Curfew. LoggedIn. student-dashboard. request-curfew. request-vacation. inDate	[]	[Curfew. LoggedIn. student-dashboard. request-curfew. request-vacation]
30	Curfew. students	[Curfew. LoggedIn. AdminDashboard. ViewDetails, Curfew. LoggedIn. AdminDashboard. SetRoom, Curfew. LoggedIn. student-dashboard. view-my-requests, Curfew. LoggedOut]	[]

31	Curfew. LoggedIn. student-dashboard. request-curfew. request-vacation. vacation-flag	[Curfew. LoggedIn. student-dashboard. request-curfew. request-vacation]	[]
32	Curfew. userType	[]	[]
33	Curfew. LoggedIn. AdminDashboard. ViewDetails. student	[]	[Curfew. LoggedIn. AdminDashboard. ViewDetails]
34	Curfew. LoggedIn. student-dashboard. request-curfew. request-vacation. outDate	[]	[Curfew. LoggedIn. student-dashboard. request-curfew. request-vacation]
35	Curfew. LoggedOut. username	[Curfew. LoggedOut]	[Curfew. LoggedOut]
36	Curfew. LoggedIn. student-dashboard. upload-curfew-proof. sReq	[]	[view-my-requests-upload-curfew-proof]

37	Curfew. LoggedIn. student-dashboard. request-curfew. request-vacation. outTime	[]	[Curfew. LoggedIn. student-dashboard. request-curfew. request-vacation]
38	Curfew. LoggedIn. AdminDashboard. view-requests. rejected-requests. rejected-flag	[Curfew. LoggedIn. AdminDashboard. view-requests. rejected-requests]	[Curfew. LoggedIn. AdminDashboard. view-requests. rejected-requests]
39	Curfew. LoggedIn. student-dashboard. view-my-requests. selectedRequest	[view-my-requests-upload-curfew-proof]	[Curfew. LoggedIn. student-dashboard. view-my-requests]
40	Curfew. LoggedIn. AdminDashboard. view-requests. closed-requests. cr	[]	[Curfew. LoggedIn. AdminDashboard. view-requests. closed-requests]
41	Curfew. registeredUsers	[register-success, tlogin-student, tlogin-admin, register-failure]	[]
42	Curfew. registration. password	[]	[Curfew. registration]

43	Curfew. LoggedIn. student-dashboard. request-curfew. request-LateIn. inTime	[]	[Curfew. LoggedIn. student-dashboard. request-curfew. request-LateIn]
44	Curfew. LoggedIn. AdminDashboard. view-requests. approved-requests. approved-flag	[Curfew. LoggedIn. AdminDashboard. view-requests. approved-requests]	[Curfew. LoggedIn. AdminDashboard. view-requests. approved-requests]
45	Curfew. LoggedIn. student-dashboard. upload-curfew-proof. document	[]	[Curfew. LoggedIn. student-dashboard. upload-curfew-proof]
46	Curfew. LoggedIn. student-dashboard. request-curfew. request	[Curfew. LoggedIn. student-dashboard. request-curfew]	[Curfew. LoggedIn. student-dashboard. request-curfew]
47	Curfew. LoggedIn. student-dashboard. request-curfew. request-vacation. inTime	[]	[Curfew. LoggedIn. student-dashboard. request-curfew. request-vacation]

| 48 | Curfew. LoggedIn. student-dashboard. request-curfew. request-LateIn. curfewLateIn-flag | [Curfew. LoggedIn. student-dashboard. request-curfew. request-LateIn] | [] |

Table 2: Actual R and W scope for Curfewfull.txt

sno	Variable	Actual Rscope	Actual Wscope
1	hms. admintype	[LoggedOut-LoggedIn-AdminModule]	[hms]
2	hms. LoggedIn. StudentModule. ComplaintModule. MakeComplaints. compliantPriority	[]	[hms. LoggedIn. StudentModule. ComplaintModule. MakeComplaints]
3	hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy. deadline1	[hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy]	[hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy]
4	hms. LoggedIn. StudentModule. ScheduleHouseKeeping. EnterVacation. inTime	[]	[]
5	hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment. roomno	[]	[hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment]

6	hms. LoggedIn. AdminModule. HostelManagement. RoomAddition. no	[RoomAddition-RoomAddition]	[hms. LoggedIn. AdminModule. HostelManagement. RoomAddition]
7	hms. centraladmintype	[LoggedOut-LoggedIn-CentralAdminModule]	[hms]
8	hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment. student	[hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment, RoomAllotment-RoomAllotment]	[StudentSelection-RoomSelection]
9	hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment. StudentSelection. selectedStudent	[StudentSelection-RoomSelection]	[hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment. StudentSelection]
10	hms. departments	[DepartmentAddition-Done]	[DepartmentAddition-Done]
11	hms. LoggedIn. AdminModule. UserManagement. UserAddition. StudentAddition. rno	[hms. LoggedIn. AdminModule. UserManagement. UserAddition. StudentAddition]	[hms. LoggedIn. AdminModule. UserManagement. UserAddition. StudentAddition]

12	hms. LoggedIn. AdminModule. StudentManagement. SendGroupMessages. message	[SendGroupMessagesDone]	[hms. LoggedIn. AdminModule. StudentManagement. SendGroupMessages]
13	hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy. deadline3	[hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy]	[hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy]
14	hms. LoggedIn. AdminModule. StudentManagement. StudentSearch. SearchByName. name	[hms. LoggedIn. AdminModule. StudentManagement. StudentSearch. SearchByName]	[hms. LoggedIn. AdminModule. StudentManagement. StudentSearch. SearchByName]
15	hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment. wing	[hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment, RoomAllotment-RoomAllotment]	[RoomSelection-StudentSelection]
16	hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy. deadline2	[hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy]	[hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy]

17	hms. LoggedIn. AdminModule. UserManagement. UserAddition. emailID	[hms. LoggedIn. AdminModule. UserManagement. UserAddition]	[hms. LoggedIn. AdminModule. UserManagement. UserAddition]
18	hms. LoggedIn. AdminModule. UserManagement. UserAddition. usertype	[hms. LoggedIn. AdminModule. UserManagement. UserAddition]	[hms. LoggedIn. AdminModule. UserManagement. UserAddition]
19	hms. LoggedIn. CentralAdminModule. ViewEscalatedComplaints. SearchComplaints. key	[hms. LoggedIn. CentralAdminModule. ViewEscalatedComplaints. SearchComplaints]	[hms. LoggedIn. CentralAdminModule. ViewEscalatedComplaints. SearchComplaints]
20	hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment. room	[hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment, RoomAllotment-RoomAllotment]	[RoomSelection-StudentSelection]
21	hms. LoggedIn. AdminModule. StudentManagement. SendGroupMessages. studList	[SendGroupMessagesDone]	[StudentSearch-SendGroupMessages]
22	hms. LoggedIn. AdminModule. UserManagement. ViewUsers. selectedUser	[]	[EnableUserDone, DisableUserDone]

23	hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment. rollno	[]	[hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment]
24	hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy. newpolicy	[CreateEscalationPolicy-Done]	[hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy]
25	hms. LoggedIn. AdminModule. StudentManagement. FineStudents. reason	[FineStudentsDone]	[hms. LoggedIn. AdminModule. StudentManagement. FineStudents]
26	hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy. firstOfficer	[hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy]	[hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy]
27	hms. LoggedIn. AdminModule. UserManagement. UserAddition. WardenAddition. buildingIncharge	[hms. LoggedIn. AdminModule. UserManagement. UserAddition. WardenAddition]	[hms. LoggedIn. AdminModule. UserManagement. UserAddition. WardenAddition]

28	hms. LoggedIn. StudentModule. ComplaintModule. MakeComplaints. problemStartDate	[]	[hms. LoggedIn. StudentModule. ComplaintModule. MakeComplaints]
29	hms. complaints	[hms. LoggedIn. CentralAdminModule. ViewEscalatedComplaints. SearchComplaints]	[]
30	hms. complaintResolved	[hms. LoggedIn. AdminModule. ComplaintManagement. ResolveComplaints]	[hms]
31	hms. LoggedIn. CentralAdminModule. ViewEscalatedComplaints. ComplaintDetail. sComplaint	[]	[SearchComplaints-ComplaintsDetail]
32	hms. LoggedIn. AdminModule. UserManagement. UserAddition. StudentAddition. stud	[StudentAdditionDone]	[hms. LoggedIn. AdminModule. UserManagement. UserAddition. StudentAddition, StudentAdditionDone]

33	hms. complaintAssigned	[]	[hms]
34	hms. LoggedIn. AdminModule. StudentManagement. FineStudents. fineID	[FineStudentsDone]	[]
35	hms. LoggedIn. StudentModule. ComplaintModule. MakeComplaints. complaintDescription	[]	[hms. LoggedIn. StudentModule. ComplaintModule. MakeComplaints]
36	hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment. RoomSelection. selectedRoom	[RoomSelection-StudentSelection]	[hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment. RoomSelection]
37	hms. LoggedIn. AdminModule. UserManagement. UserAddition. contactno	[hms. LoggedIn. AdminModule. UserManagement. UserAddition]	[hms. LoggedIn. AdminModule. UserManagement. UserAddition]
38	hms. LoggedIn. AdminModule. StudentManagement. StudentSearch. selectedStudent	[StudentSearch-FineStudents, StudentSearch-SendGroupMessages]	[Search-SearchByName, Search-SearchByRollNo]

39	hms. LoggedIn. AdminModule. UserManagement. UserAddition. StudentAddition. department	[hms. LoggedIn. AdminModule. UserManagement. UserAddition. StudentAddition]	[hms. LoggedIn. AdminModule. UserManagement. UserAddition. StudentAddition]
40	hms. LoggedIn. AdminModule. HostelManagement. WingAddition. newwing	[WingAddition-WingAddition]	[hms. LoggedIn. AdminModule. HostelManagement. WingAddition]
41	hms. complaintLaunched	[]	[hms]
42	hms. workertype	[LoggedOut-LoggedIn-WorkerModule]	[]
43	hms. LoggedIn. loggedInUser	[MarkAttendance-Done]	[LoggedOut-LoggedIn-StudentModule, LoggedOut-LoggedIn-AdminModule, MarkAttendance-Done, LoggedOut-LoggedIn-EscalationModule, LoggedOut-LoggedIn-CentralAdminModule, LoggedOut-LoggedIn-WorkerModule]
44	hms. wardens	[WardenAdditionDone]	[WardenAdditionDone]

45	hms. LoggedIn. AdminModule. HostelManagement. RoomAddition. newRoom	[RoomAddition-RoomAddition]	[RoomAddition-RoomAddition]
46	hms. LoggedIn. AdminModule. HostelManagement. RoomAddition. occupancy	[RoomAddition-RoomAddition]	[hms. LoggedIn. AdminModule. HostelManagement. RoomAddition]
47	hms. LoggedIn. AdminModule. UserManagement. UserAddition. newuser	[WardenAdditionDone, StudentAdditionDone]	[hms. LoggedIn. AdminModule. UserManagement. UserAddition]
48	hms. LoggedIn. AdminModule. UserManagement. UserAddition. username	[hms. LoggedIn. AdminModule. UserManagement. UserAddition, WardenAdditionDone, StudentAdditionDone]	[hms. LoggedIn. AdminModule. UserManagement. UserAddition]
49	hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy. thirdOfficer	[hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy]	[hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy]

50	hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment. RoomSelection. selectedWing	[RoomSelection-StudentSelection]	[hms. LoggedIn. AdminModule. HostelManagement. RoomAllotment. RoomSelection]
51	hms. LoggedIn. CentralAdminModule. ViewEscalatedComplaints. SearchComplaints. selectedComplaint	[SearchComplaints-ComplaintsDetail]	[hms. LoggedIn. CentralAdminModule. ViewEscalatedComplaints. SearchComplaints]
52	hms. complaintAcknowledged	[]	[hms]
53	hms. registeredUsers	[hms. LoggedOut, WardenAdditionDone, EnableUserDone, DisableUserDone, StudentAdditionDone]	[WardenAdditionDone, StudentAdditionDone]
54	hms. LoggedIn. StudentModule. ScheduleHouseKeeping. EnterVacation. outTime	[]	[]

55	hms. LoggedIn. AdminModule. ComplaintManagement. ForwardComplaints. c	[]	[hms. LoggedIn. AdminModule. ComplaintManagement. ForwardComplaints, ComplaintsView-ForwardComplaints]
56	hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy. secondOfficer	[hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy]	[hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy]
57	hms. LoggedIn. AdminModule. ComplaintManagement. ComplaintsView. selectedComplaint	[ComplaintsView-ResolveComplaints, ComplaintsView-ForwardComplaints]	[hms. LoggedIn. AdminModule. ComplaintManagement. ComplaintsView]
58	hms. complaintForwarded	[hms. LoggedIn. AdminModule. ComplaintManagement. ForwardComplaints]	[hms]

59	hms. LoggedOut. enteredUser	[LoggedOut-LoggedIn-StudentModule, LoggedOut-LoggedIn-AdminModule, LoggedOut-LoggedIn-EscalationModule, LoggedOut-LoggedIn-CentralAdminModule, LoggedOut-LoggedIn-WorkerModule]	[hms. LoggedOut, LoggedIn-LoggedOut]
60	hms. LoggedIn. AdminModule. HostelManagement. CloseRoom. selectedWing	[CloseRoom-CloseRoom]	[CloseRoom-CloseRoom]
61	hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy. thirdOfficer	[hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy]	[hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy]
62	hms. LoggedIn. AdminModule. UserManagement. UserAddition. password	[hms. LoggedIn. AdminModule. UserManagement. UserAddition]	[hms. LoggedIn. AdminModule. UserManagement. UserAddition]

63	hms. LoggedIn. AdminModule. WorkerManagement. DepartmentAddition. newDepartment	[DepartmentAddition-Done]	[DepartmentAddition-Done]
64	hms. LoggedOut. pass	[LoggedOut-LoggedIn-StudentModule, LoggedOut-LoggedIn-AdminModule, LoggedOut-LoggedIn-EscalationModule, LoggedOut-LoggedIn-CentralAdminModule, LoggedOut-LoggedIn-WorkerModule]	[hms. LoggedOut, LoggedIn-LoggedOut]
65	hms. LoggedIn. AdminModule. HostelManagement. WingAddition. name	[hms. LoggedIn. AdminModule. HostelManagement. WingAddition, WingAddition-WingAddition]	[hms. LoggedIn. AdminModule. HostelManagement. WingAddition]
66	hms. LoggedIn. AdminModule. HostelManagement. CloseRoom. wing-name	[CloseRoom-CloseRoom]	[hms. LoggedIn. AdminModule. HostelManagement. CloseRoom]

67	hms. LoggedIn. AdminModule. WorkerManagement. DepartmentAddition. departmentName	[DepartmentAddition-Done]	[hms. LoggedIn. AdminModule. WorkerManagement. DepartmentAddition]
68	hms. studenttype	[LoggedOut-LoggedIn-StudentModule]	[hms]
69	hms. LoggedIn. AdminModule. StudentManagement. FineStudents. newFine	[FineStudentsDone]	[FineStudentsDone]
70	hms. LoggedIn. AdminModule. UserManagement. UserAddition. WardenAddition. w	[WardenAdditionDone]	[hms. LoggedIn. AdminModule. UserManagement. UserAddition. WardenAddition, WardenAdditionDone]
71	hms. LoggedIn. AdminModule. StudentManagement. FineStudents. amount	[FineStudentsDone]	[hms. LoggedIn. AdminModule. StudentManagement. FineStudents]
72	hms. LoggedIn. AdminModule. UserManagement. ViewUsers. username	[EnableUserDone, DisableUserDone, UserDeletionDone]	[hms. LoggedIn. AdminModule. UserManagement. ViewUsers]

73	hms. LoggedIn. AdminModule. WorkerManagement. DepartmentAddition. contactno	[DepartmentAddition-Done]	[hms. LoggedIn. AdminModule. WorkerManagement. DepartmentAddition]
74	hms. wings	[CloseRoom-CloseRoom, WingAddition-WingAddition]	[WingAddition-WingAddition]
75	hms. LoggedOut. uname	[hms. LoggedOut]	[hms. LoggedOut, LoggedIn-LoggedOut]
76	hms. LoggedIn. AdminModule. HostelManagement. CloseRoom. roomno	[CloseRoom-CloseRoom]	[hms. LoggedIn. AdminModule. HostelManagement. CloseRoom]
77	hms. LoggedIn. AdminModule. HostelManagement. CloseRoom. selectedRoom	[]	[CloseRoom-CloseRoom]
78	hms. LoggedIn. AdminModule. StudentManagement. StudentSearch. key	[Search-SearchByName, Search-SearchByRollNo]	[hms. LoggedIn. AdminModule. StudentManagement. StudentSearch. SearchByName, hms. LoggedIn. AdminModule. StudentManagement. StudentSearch. SearchByRollNo]

79	hms. LoggedIn. AdminModule. UserManagement. UserAddition. StudentAddition. batchOfJoining	[hms. LoggedIn. AdminModule. UserManagement. UserAddition. StudentAddition]	[hms. LoggedIn. AdminModule. UserManagement. UserAddition. StudentAddition]
80	hms. LoggedIn. AdminModule. UserManagement. UserAddition. confirmpassword	[]	[hms. LoggedIn. AdminModule. UserManagement. UserAddition]
81	hms. LoggedIn. StudentModule. ComplaintModule. MakeComplaints. complaintArea	[]	[hms. LoggedIn. StudentModule. ComplaintModule. MakeComplaints]
82	hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy. secondOfficer	[hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy]	[hms. LoggedIn. CentralAdminModule. CreateEscalationPolicy]
83	hms. complaintRejected	[]	[hms]
84	hms. LoggedIn. AdminModule. ComplaintManagement. ForwardComplaints. toDepartment	[hms. LoggedIn. AdminModule. ComplaintManagement. ForwardComplaints, ForwardComplaints-ComplaintView]	[hms. LoggedIn. AdminModule. ComplaintManagement. ForwardComplaints]

85	hms. students	[hms. LoggedIn. AdminModule. StudentManagement. StudentSearch. SearchByName, hms. LoggedIn. AdminModule. StudentManagement. StudentSearch. SearchByRollNo, Search-SearchByName, StudentAdditionDone, Search-SearchByRollNo]	[StudentAdditionDone]
86	hms. LoggedIn. AdminModule. WorkerManagement. WorkersView. departmentid	[]	[hms. LoggedIn. AdminModule. WorkerManagement. WorkersView]
87	hms. complaintReviewedandPropogated	[]	[hms]
88	hms. LoggedIn. AdminModule. WorkerManagement. WorkersView. workerList	[]	[]
89	hms. centreheadtype	[LoggedOut-LoggedIn-EscalationModule]	[hms]

90	hms. LoggedIn. AdminModule. StudentManagement. StudentSearch. SearchByRollNo. no	[hms. LoggedIn. AdminModule. StudentManagement. StudentSearch. SearchByRollNo]	[hms. LoggedIn. AdminModule. StudentManagement. StudentSearch. SearchByRollNo]
91	hms. LoggedIn. AdminModule. StudentManagement. FineStudents. stud	[FineStudentsDone]	[StudentSearch-FineStudents, FineStudentsDone]
92	hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy. firstOfficer	[hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy]	[hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy]
93	hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy. deadline1	[hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy]	[hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy]
94	hms. LoggedIn. AdminModule. WorkerManagement. DepartmentAddition. departmentHead	[DepartmentAddition-Done]	[hms. LoggedIn. AdminModule. WorkerManagement. DepartmentAddition]

95	hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy. deadline2	[hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy]	[hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy]
96	hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy. deadline3	[hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy]	[hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy]
97	hms. LoggedIn. CentralAdminModule. ViewEscalatedComplaints. SearchComplaints. complaintList	[]	[hms. LoggedIn. CentralAdminModule. ViewEscalatedComplaints. SearchComplaints]
98	hms. LoggedIn. AdminModule. ComplaintManagement. ResolveComplaints. c	[]	[hms. LoggedIn. AdminModule. ComplaintManagement. ResolveComplaints, ComplaintsView-ResolveComplaints]
99	hms. LoggedIn. AdminModule. HostelManagement. RoomAddition. selectedWing	[RoomAddition-RoomAddition]	[hms. LoggedIn. AdminModule. HostelManagement. RoomAddition, RoomAddition-RoomAddition]

| 100 | hms. policy | [Dashboard-EnableEscalationPolicy, Dashboard-CreateEscalationPolicy, Dashboard-DisableEscalationPolicy, Dashboard-ChangeEscalationPolicy, CreateEscalationPolicy-Done] | [hms. LoggedIn. CentralAdminModule. ChangeEscalationPolicy, CreateEscalationPolicy-Done] |

Table 3: Actual R and W scope for hmsnew.txt