



Level 0, level 1 and level 2 Data Flow Diagrams (DFD) for a web application for career information and recruitment. The applications connect colleges, students, alumni students and recruiters on a common platform.

# Career Information and Recruitment Portal

Data Flow Diagrams

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## Level 0

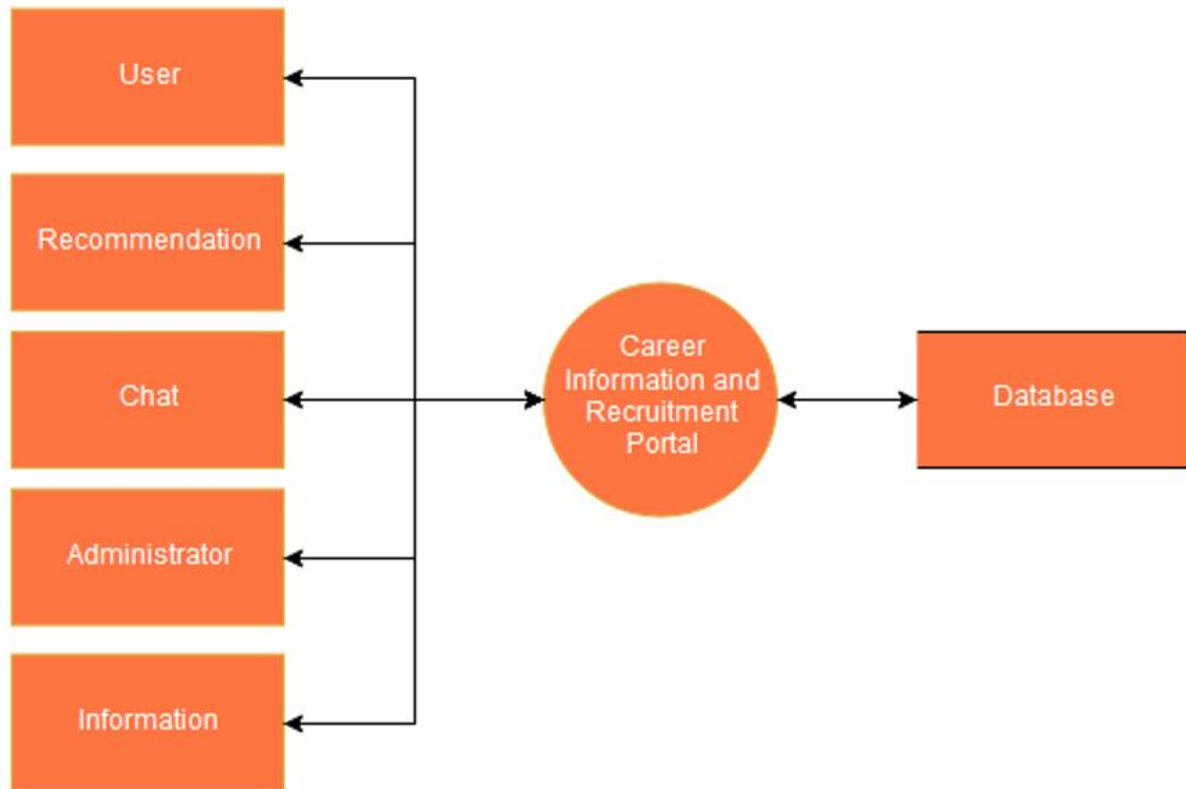


Figure 1. Level 0 - Context diagram for Career information and recruitment portal



## Level 1 Diagrams

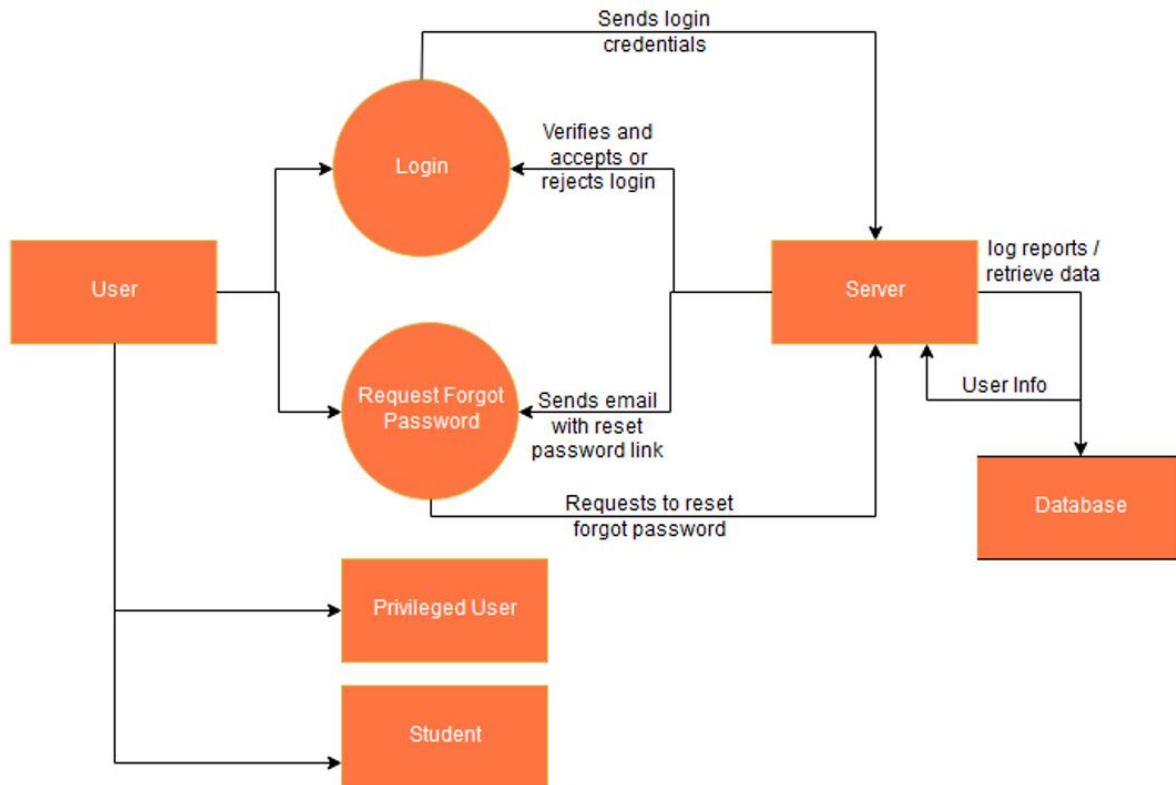


Figure 2. Level 1.1 - User module (implemented as class)

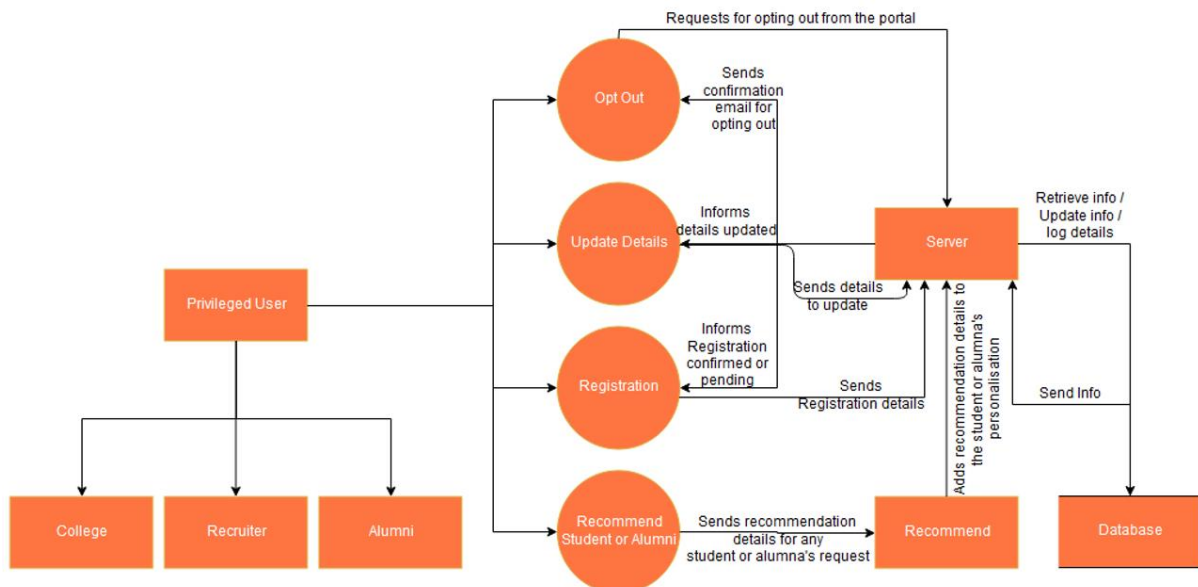


Figure 3. Level 1.1.1 - Privileged User (sub-module of User (1.1), implemented via interfaces only)

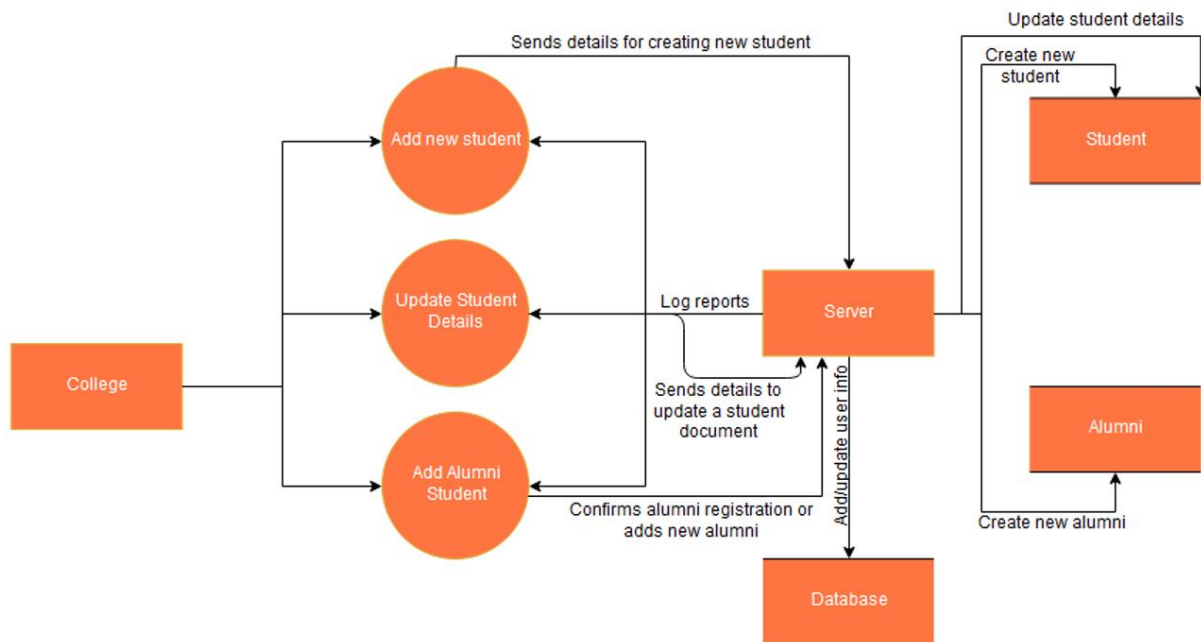


Figure 4. Level 1.1.1.1 - College module (implements Privileged User interface, implemented as class)

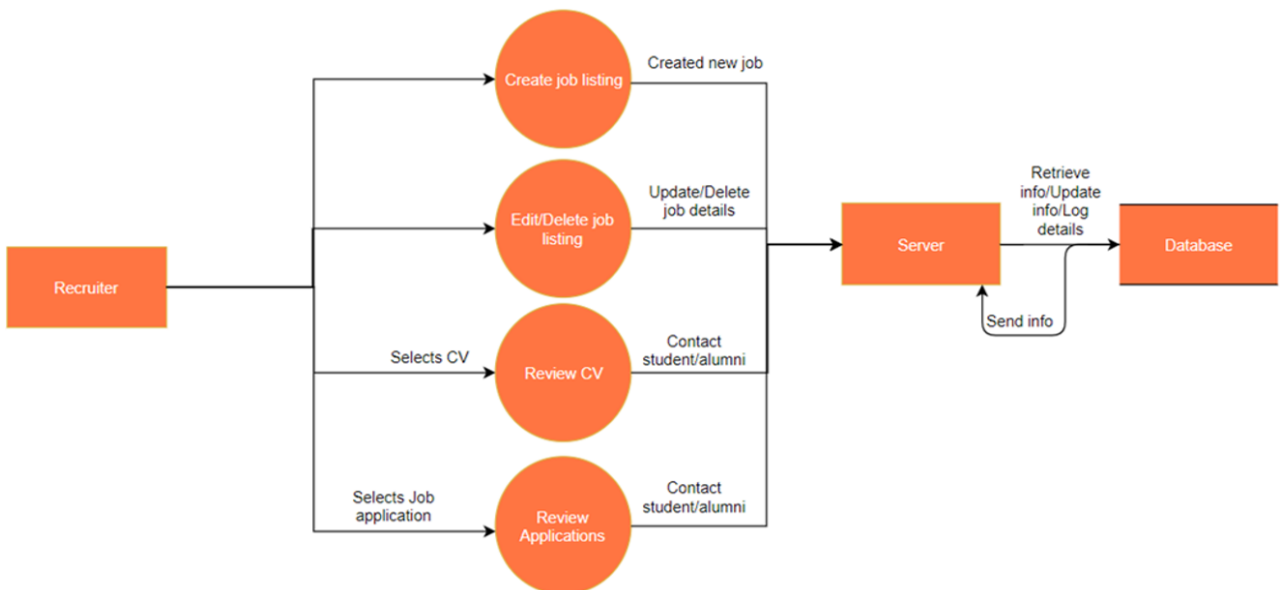
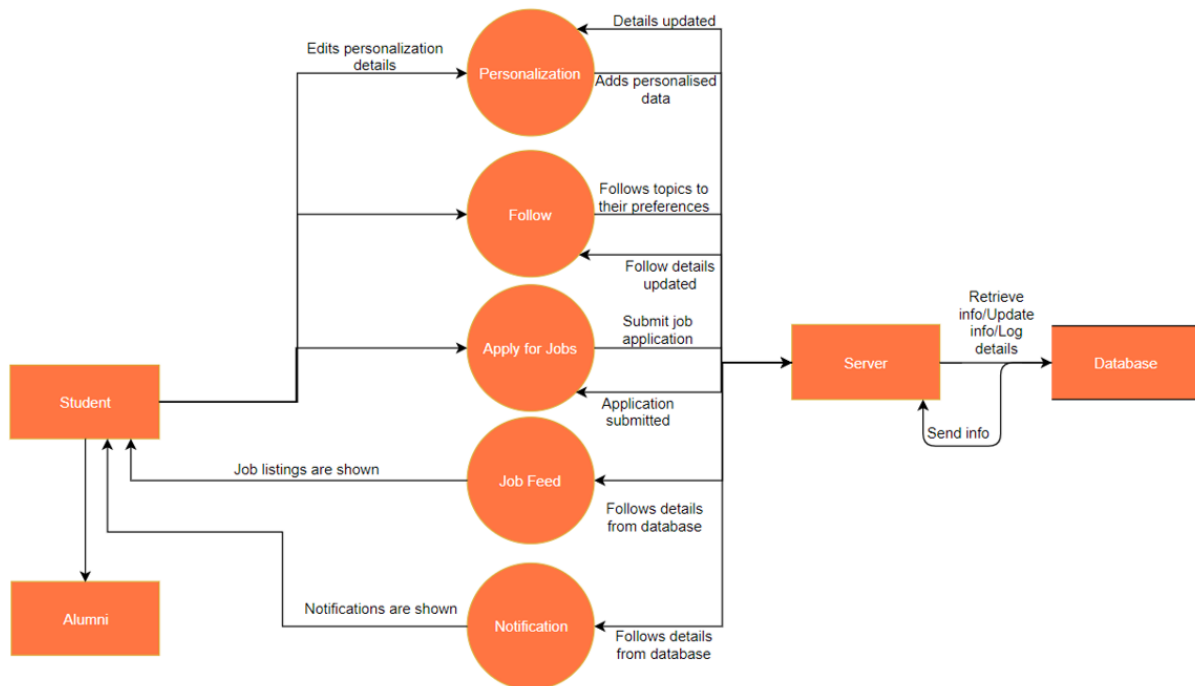
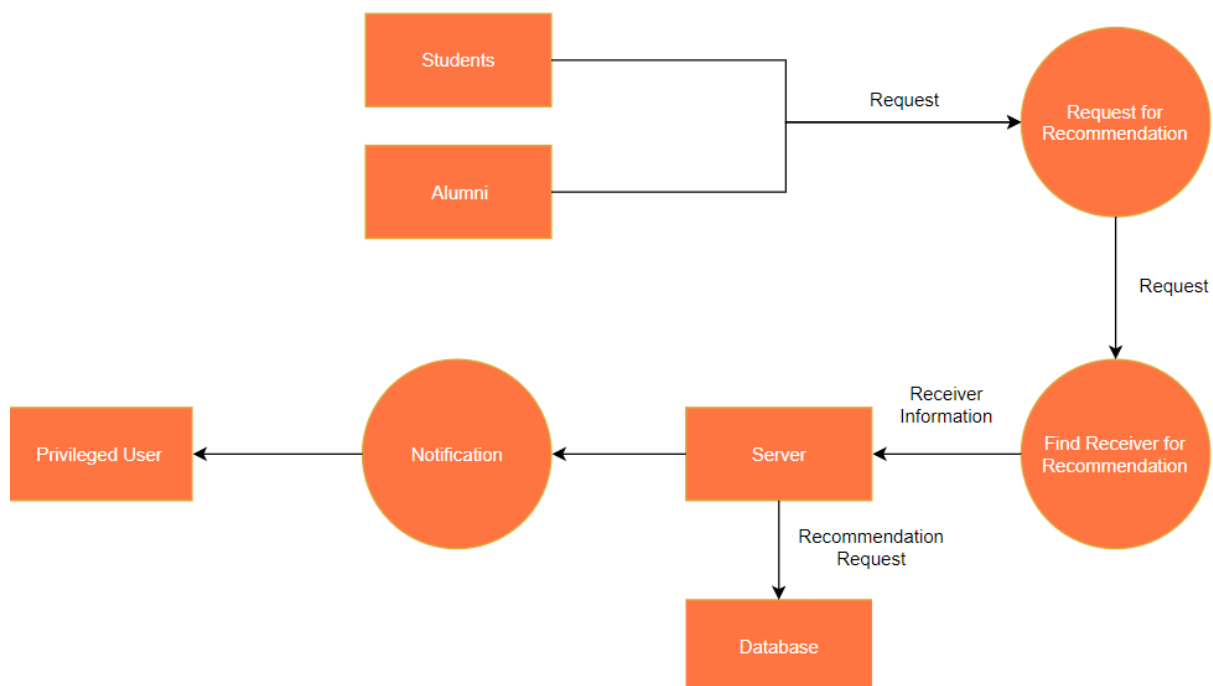


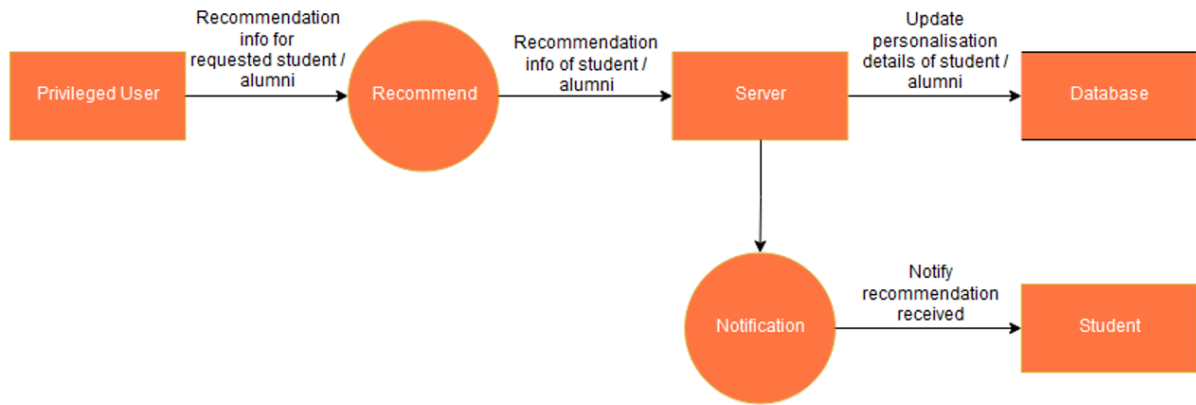
Figure 5. Level 1.1.1.2 - Recruiter module (implements Privileged User interface, implemented as class)



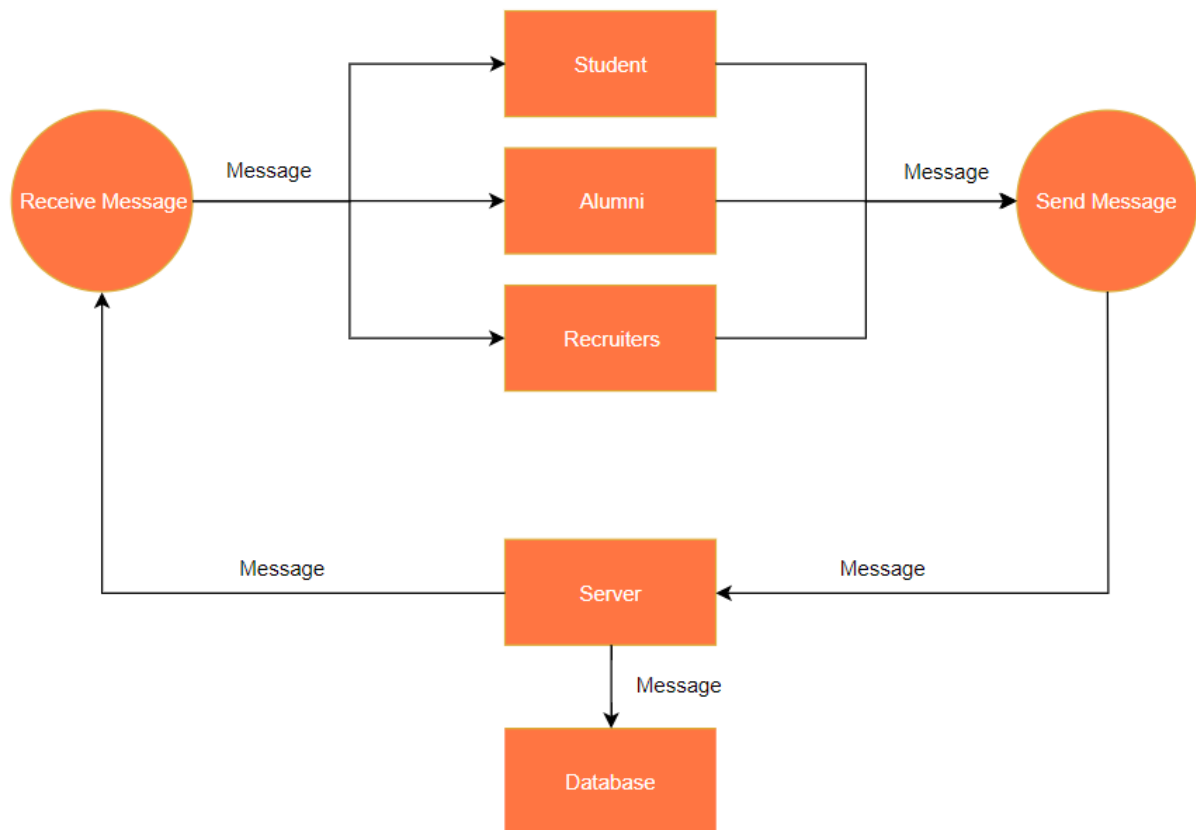
**Figure 6. Level 1.1.2 - Student (Sub-module of User (1.1), implemented as class)**



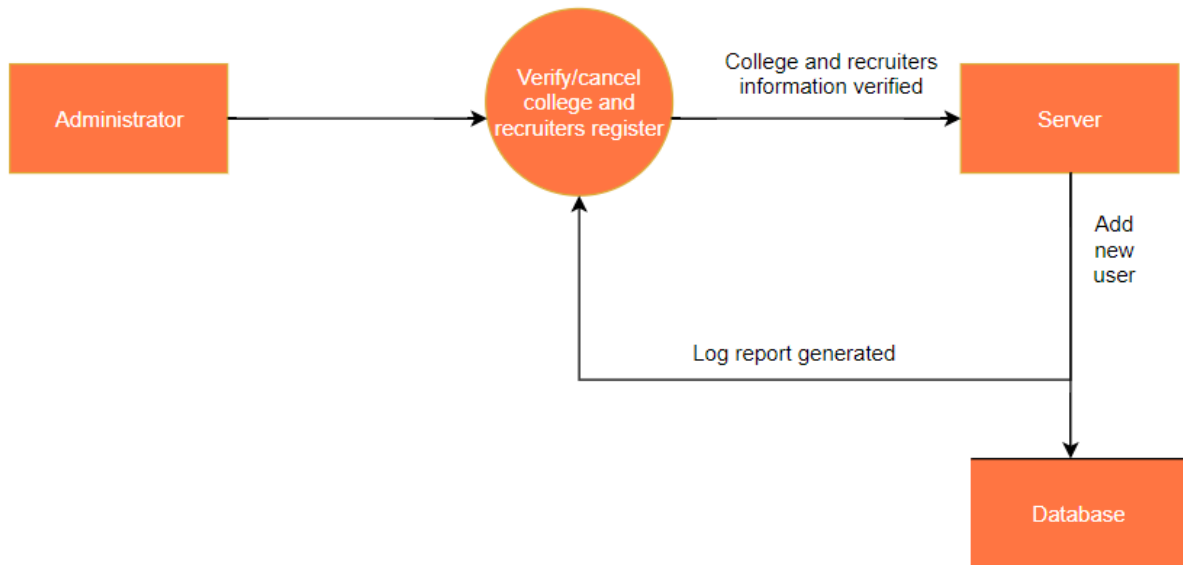
**Figure 7. Level 1.2.1 - Request Recommendation (Recommendation module (1.2) has 2 functions - Request Recommendation and Recommend, both are implemented via separate interfaces and hence considered as sub-modules.)**



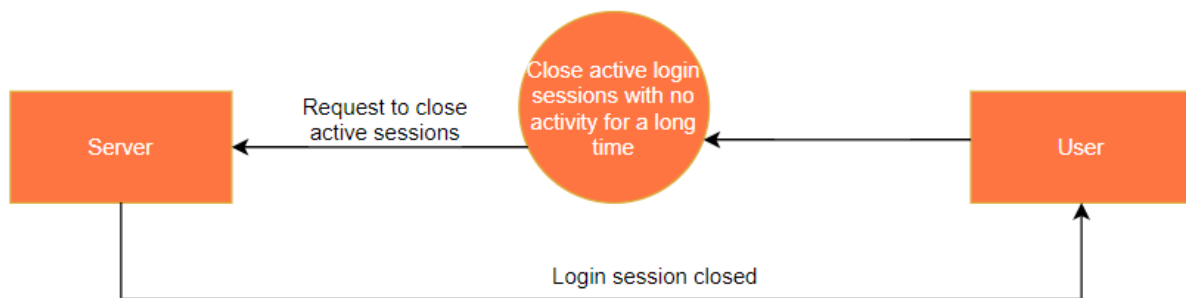
**Figure 8. Level 1.2.2 - Recommend (Recommendation module (1.2) has 2 functions - Request Recommendation and Recommend, both are implemented via separate interfaces and hence considered as sub-modules.)**



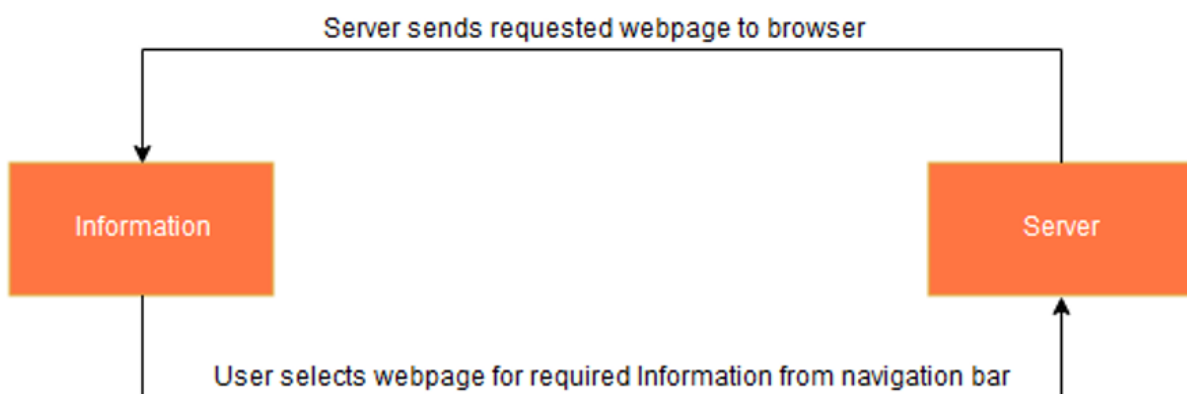
**Figure 9. Level 1.3 - Chat (Implemented via interfaces only, implemented by Recruiter and Student classes)**



**Figure 10. Level 1.4 - Administrator module (Implemented as class)**



**Figure 11. Level 1.5 - Server module (Implemented as class)**



**Figure 12. Level 1.6 - Information module (module used to display web pages for career information)**



## Level 2 Diagrams

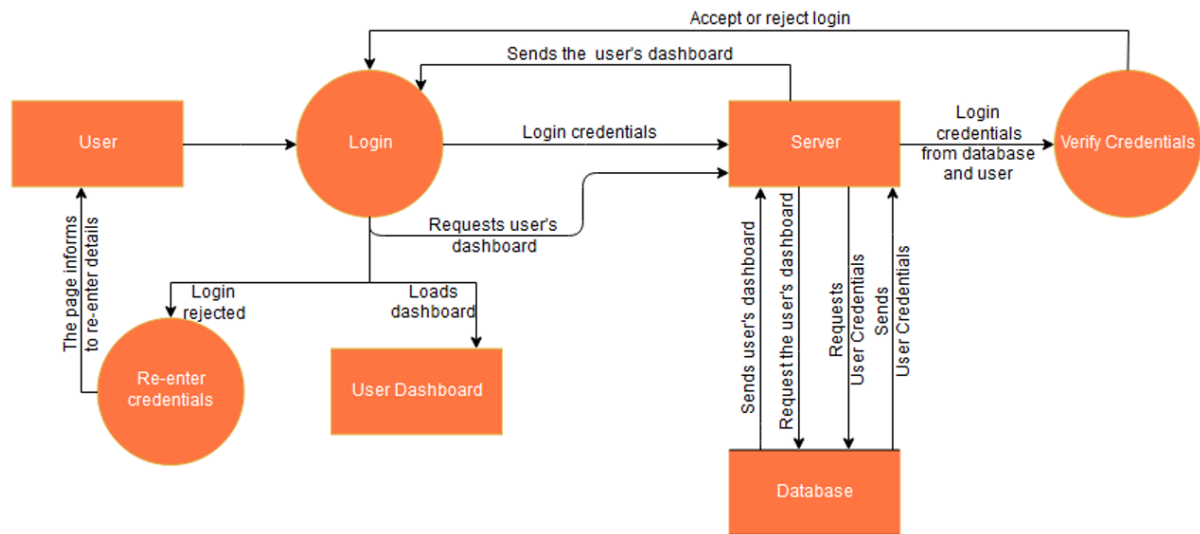


Figure 13. Level 2.1 - User login

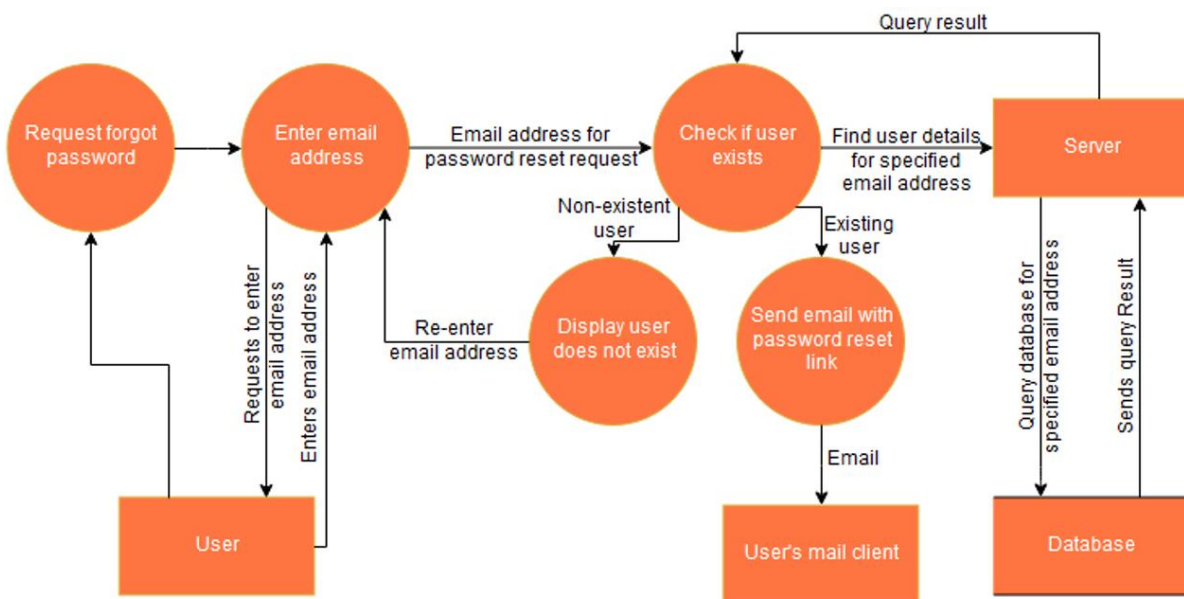
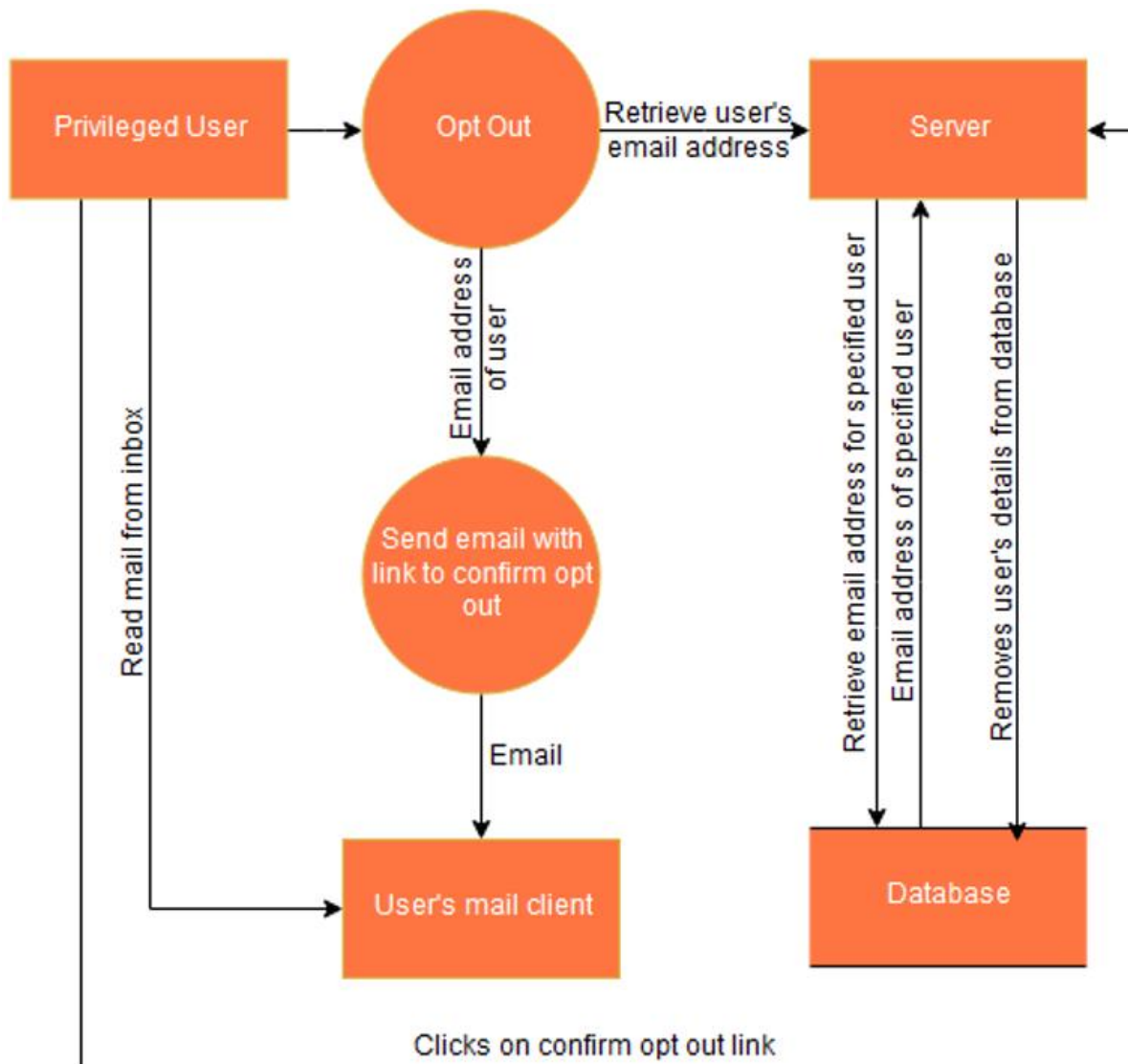
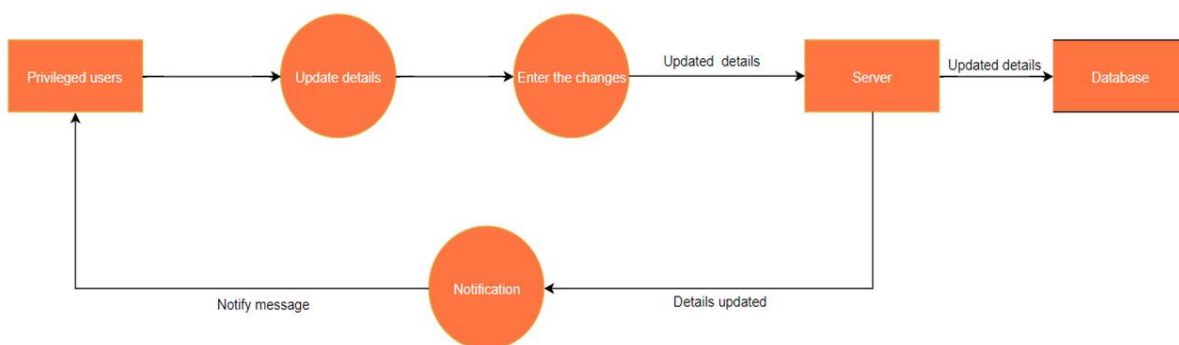


Figure 14. Level 2.2 - Request for forgot password

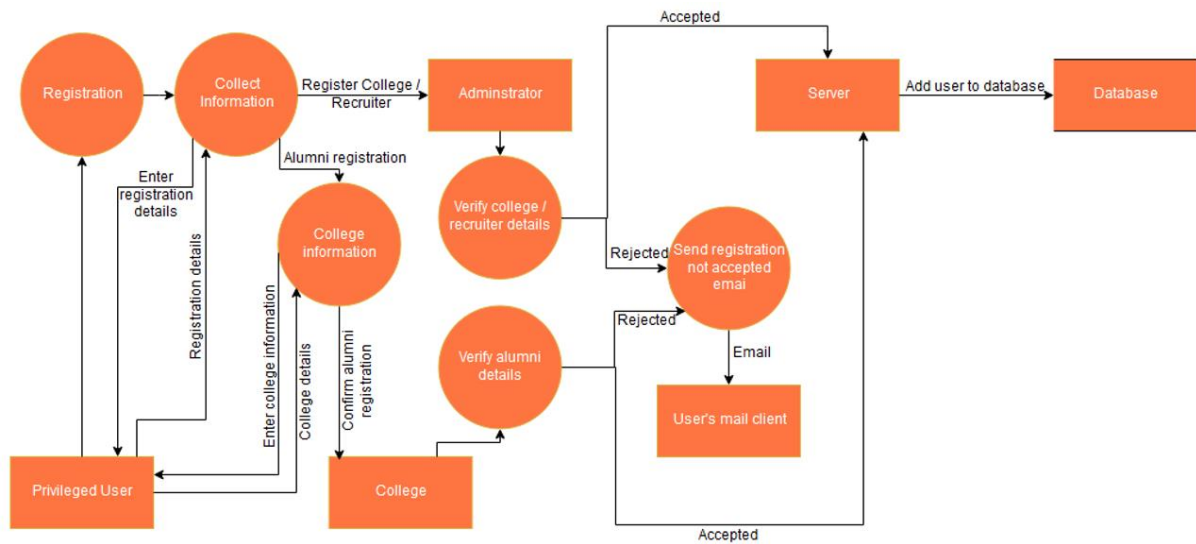




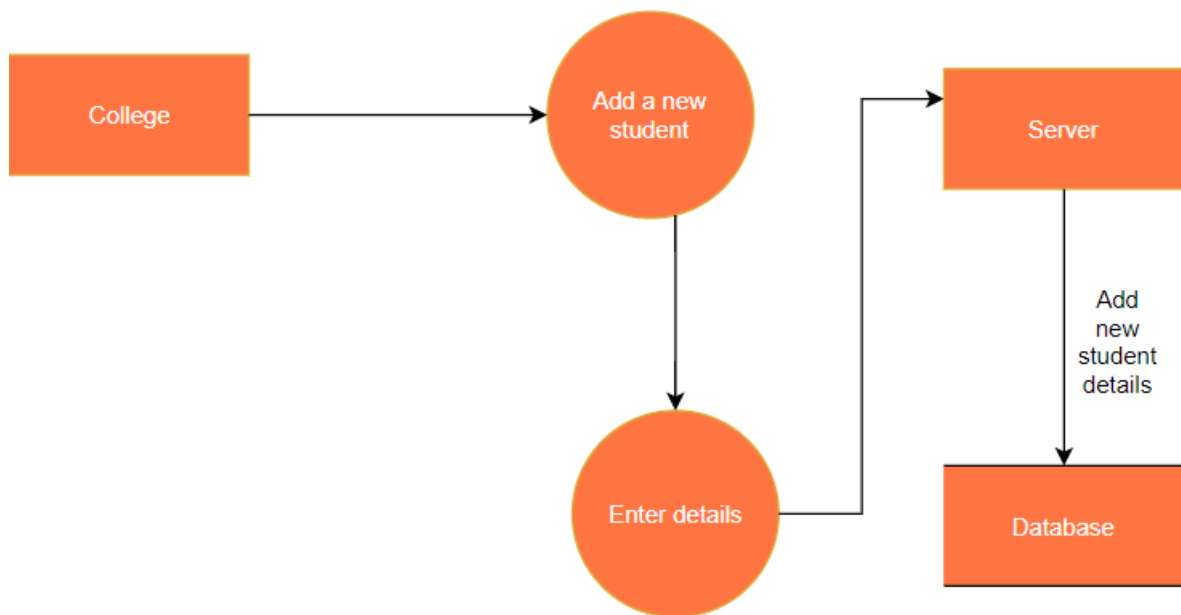
**Figure 15. Level 2.3 - Opt out request by any privileged user**



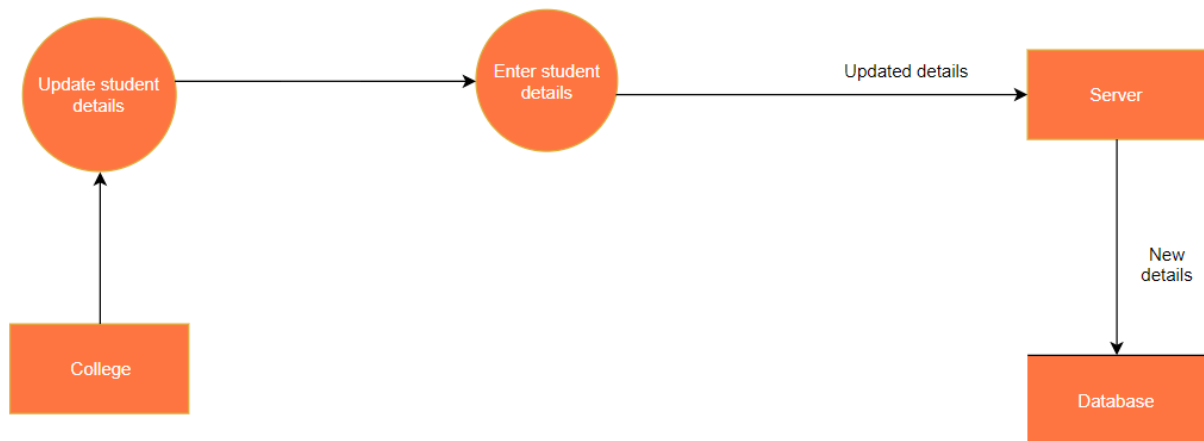
**Figure 16. Level 2.4 - Update details of any privileged user**



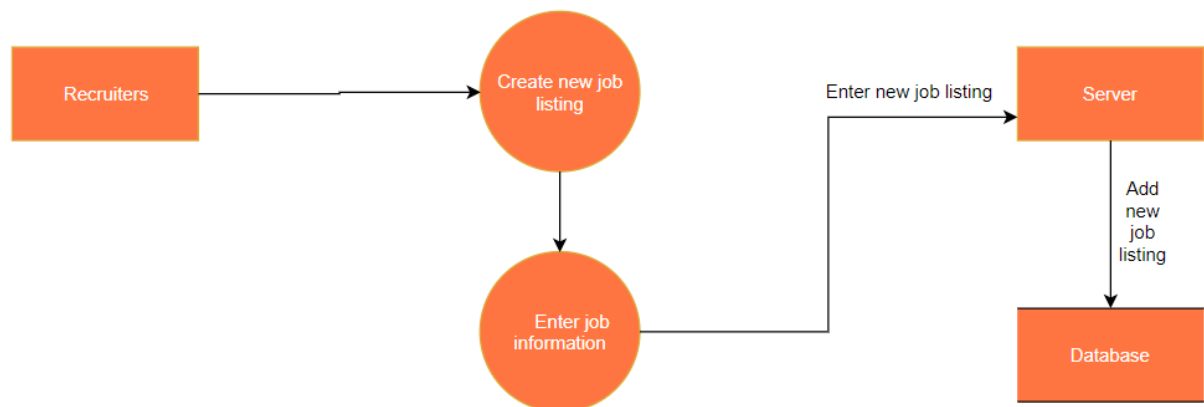
**Figure 17. Level 2.5 - Registration of any privileged user**



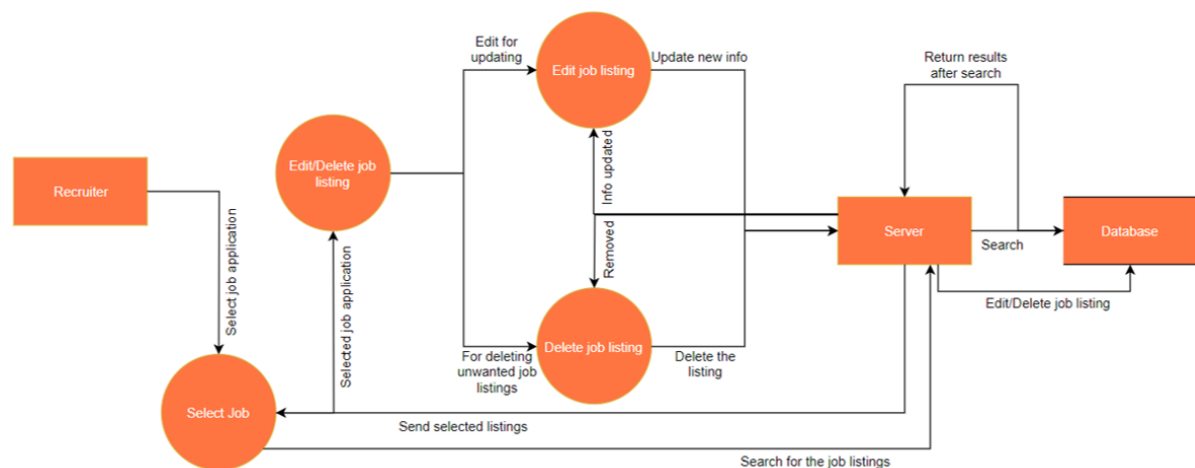
**Figure 18. Level 2.6 - Add new student by college**



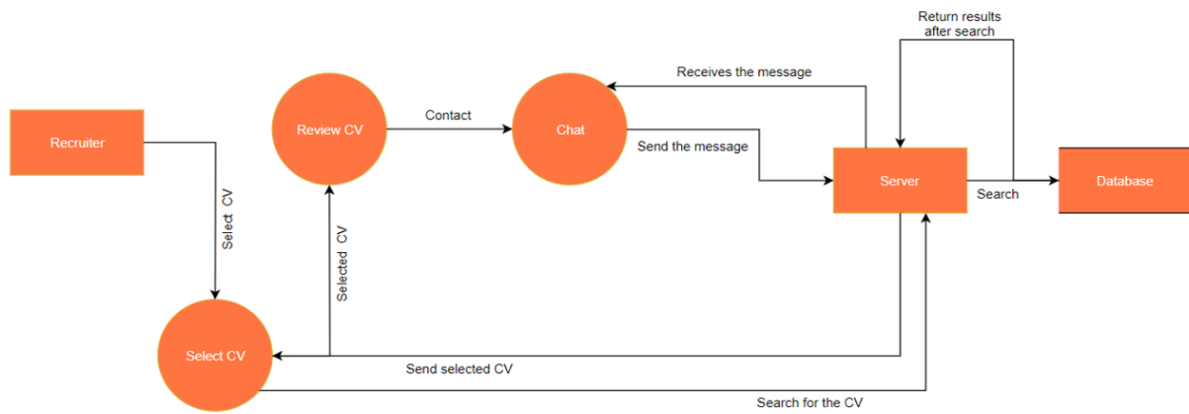
**Figure 19. Level 2.7 - Update student details by college**



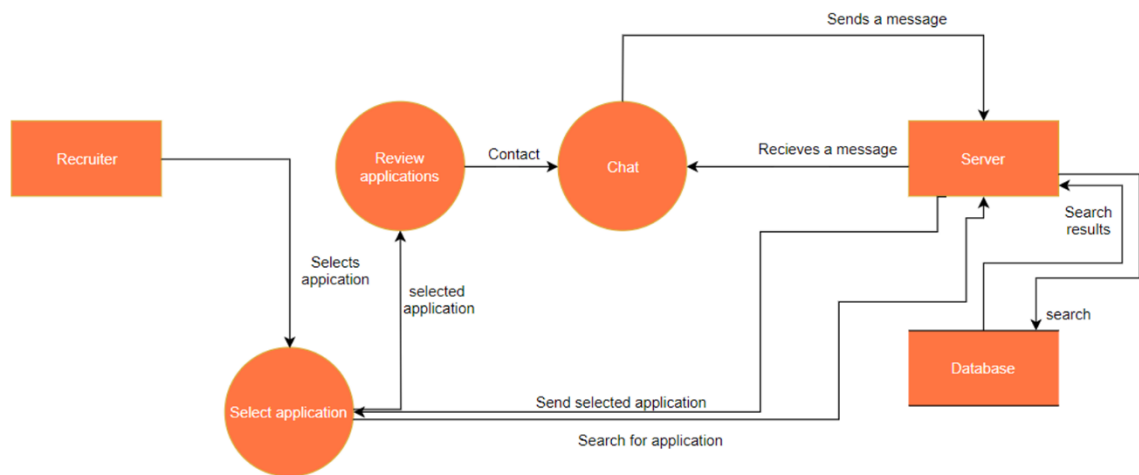
**Figure 20. Level 2.8 - Create new job listing by Recruiter**



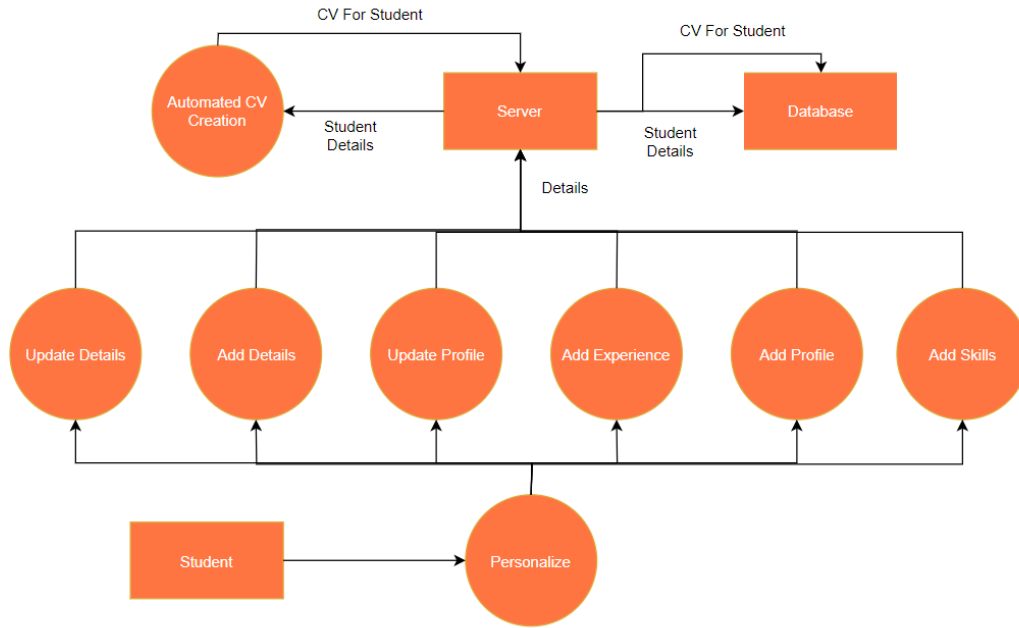
**Figure 21 Level 2.9 - Edit or delete job listing by recruiter**



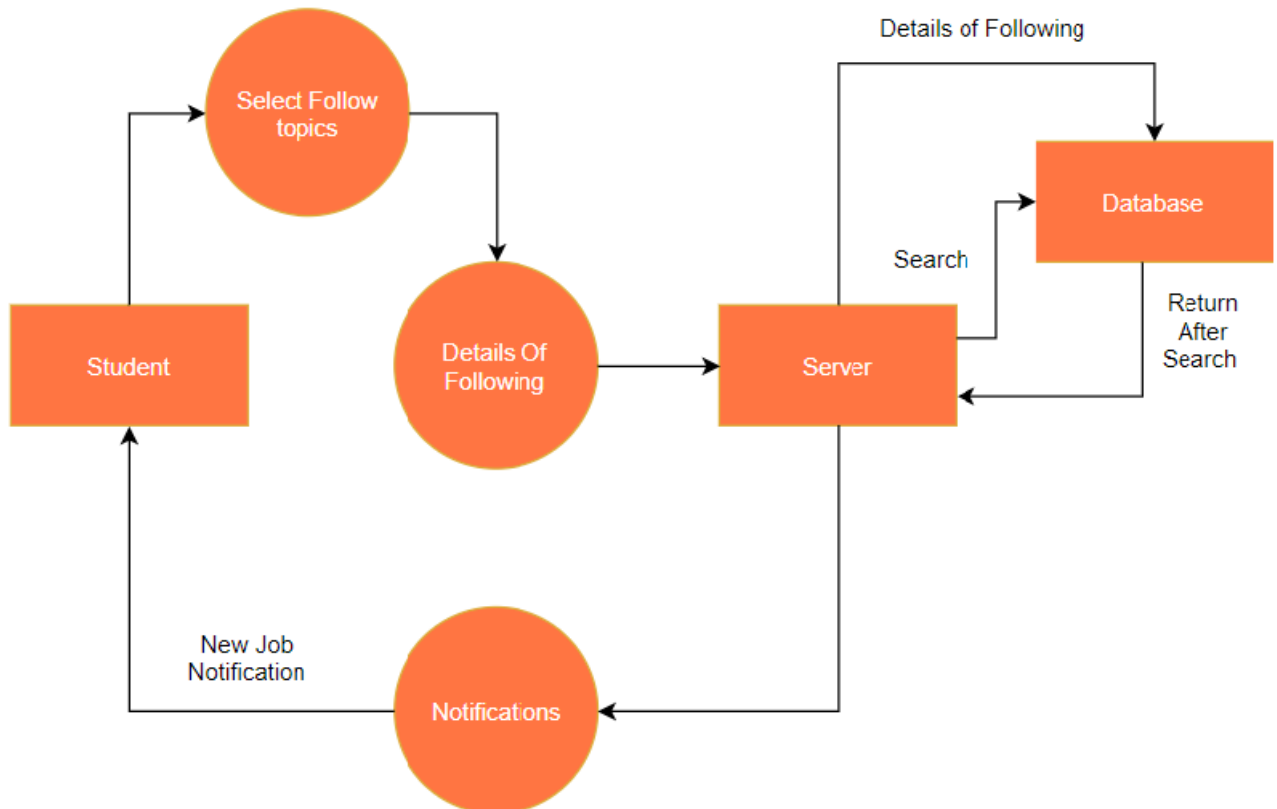
**Figure 22. Level 2.10 - Review CV by Recruiter**



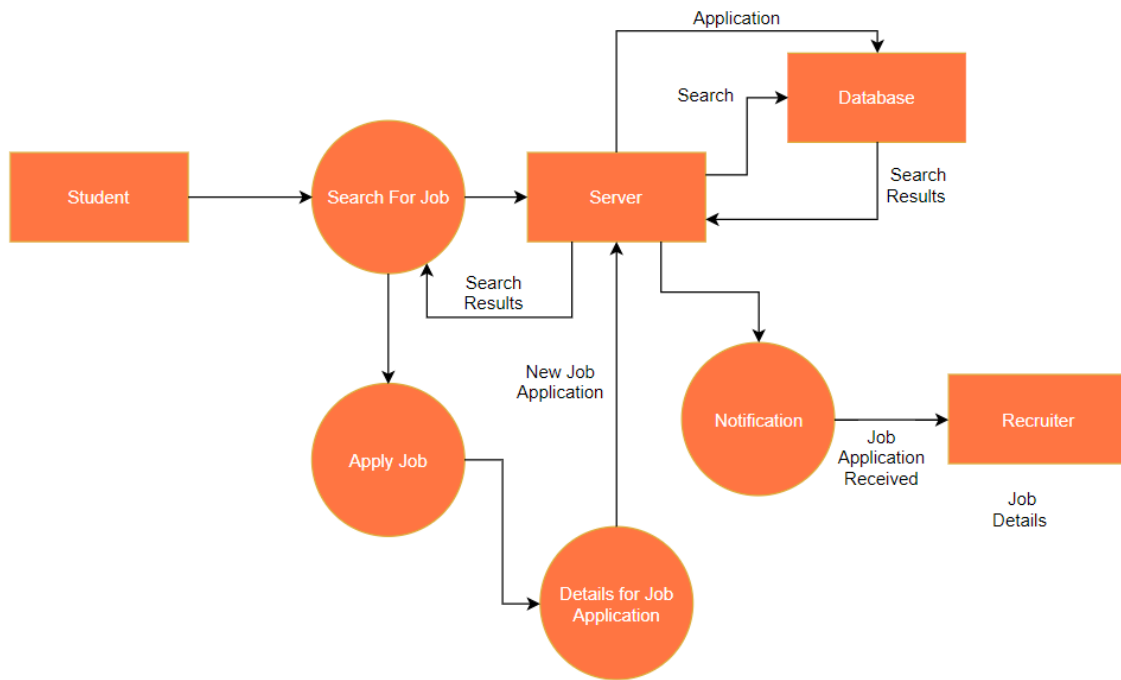
**Figure 23 Level 2.11 - Review applications by recruiter**



**Figure 24. Level 2.12 - Entering personalization details by student**



**Figure 25. Level 2.13 - Following topics or recruiters by student**



**Figure 26. Level 2.14 - Apply for job by student**