**SE Exp 9**

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1. **Admin Module**
   1. **Update Candidate’s details:**
      1. Exhibits high cohesion : This function is directly related to the administration of candidate profiles, which is consistent with the purpose of the admin module.
      2. Coupling is not necessarily low, but it's reasonable and not excessive: It may need to interact with the candidate module to access and modify candidate data, but this coupling is justifiable and expected.
   2. **Filter Candidates on criteria:** 
      1. Cohesion: This function involves manipulating and sorting candidate data, which is still relevant to the administration of candidates. However, it might be more appropriate to place advanced filtering and search functionality in a dedicated search or filter module for higher cohesion.
      2. Coupling: It requires interactions with the candidate module for data retrieval, which is acceptable. The coupling is not low, but it's within reasonable bounds.
   3. **Update requirements statistics:** 
      1. Cohesion: This function appears to involve the statistical aspects of the recruitment process. While related to administration, it might be considered a separate concern that could have higher cohesion in a dedicated statistics or reporting module.
      2. Coupling: If this function relies heavily on data from the candidate and job posting modules, the coupling might be moderate, but it depends on the extent of data interaction.
   4. **View Feedback:** 
      1. Cohesion: Viewing feedback is typically an administrative task, and it aligns well with the admin module's purpose. It demonstrates high cohesion.
      2. Coupling: It might need data from other modules, such as the interview module, but the coupling is reasonable and necessary for its functionality.
   5. **Help:**
      1. Cohesion: The help function is usually a general utility used across different parts of the application. Its cohesion is relatively low as it's not directly related to administrative tasks.
      2. Coupling: The help function is generally standalone and doesn't tightly couple with other application modules, making it loosely coupled.

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1. **Candidate Module:**
   1. **Apply for the job:**
      1. Cohesion: This function is directly related to candidates applying for jobs, which is consistent with the purpose of the candidate module. It exhibits high cohesion.
      2. Coupling: It may interact with the job posting module for job-related information and with the admin module for application processing, but this coupling is justifiable and expected. Coupling is not necessarily low, but it's reasonable and not excessive.
   2. **Update profile details:**
      1. Cohesion: Updating profile details is a core function of the candidate module, aligning well with its purpose. It demonstrates high cohesion.
      2. Coupling: It interacts with the database and may have some coupling with the admin module if certain updates need administrative approval, but these interactions are within reasonable bounds.
   3. **View vacancy details:**
      1. Cohesion: Viewing vacancy details is a key task for candidates and fits well within the candidate module's scope. It exhibits high cohesion.
      2. Coupling: It interacts with the job posting module to retrieve vacancy information, but this coupling is expected and not excessively high.
   4. **Give feedback:**
      1. Cohesion: Providing feedback is typically a candidate-specific task and is directly related to their interactions with the recruitment process, so it has high cohesion.
      2. Coupling: It might interact with the admin module for feedback submission and with the interview module for interview-related feedback. Coupling is reasonable and purposeful.
   5. **Ask for help from admin:**
      1. Cohesion: Asking for help from the admin is a separate concern that isn't directly related to the candidate's primary tasks but is necessary in some cases.
      2. Coupling: It involves coupling with the admin module for communication with the administrators, but it's an expected interaction and not excessively high.