**Student:** *s3955624* **Practical Data Model:** *Want-2-Work*

**Business Rules/Assumptions**

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| * We assume that want-2-work provides job placement service in Australia only. * We assume that an employer can have 0 or at least 1 vacancy. * We assume that an employer has at least 1 staff. * We assume that an applicant can apply to 0 or at least 1 vacancy, and that the applicant can only apply to each vacancy once. * We assume that an applicant can have 0 or at least 1 skill. This also applies to qualification, experience and interests. * We assume that each vacancy must contains at least 1 skill and responsibility. * We assume that for each interview, there is only 1 associated staff from the respective employer. The same staff can participate in multiple interviews. * Vacancy’s job type can only be F (full-time), P (part-time), A (apprenticeship), CA (casual), CO (contract), I (internship), T (trainee) or V (volunteer). * Vacancy’s location type can only be O (on-site), R (remote), or H (hybrid). * Vacancy’s salary must be in integer format and at least 0. * Applicant’s employment status can only be U (unemployed) or E (currently employ). * Applicant’s residency status can only be C (citizen) or PR (permanent resident) or T (temporary visa holder). * Applicant’s qualification degree level can be DI (diploma), A (associate), BA (bachelor), BAH (bachelor honour), M (master), or DO (doctoral). * Applicant’s qualification degree title refers to the official name of the qualification. E.g. Bachelor of Information Technology. * Applicant’s could not have multiple skill that shares the same name. * Application’s status has multiple stage: A (applied), R (in-review), I (interview), O (offer sent), or can be D (declined) . * We assume that an application may have multiple interview sessions. Hence, each interview session no must be unique for the same application. * Interview’s type can be O (on-site) or V (virtual). * Interview’s datetime is in SQL datetime format. * For interview location, it can be “office” for on-site interview, or the virtual meeting link for virtual interview. If set to “office”, the address could be found in Employer table. |