

Diagram Key

- Accounts
- Account-Related
- Bookmarks/For Personal Use
- Other

Vets2Tech Web Portal Database Diagram: Version 1.3

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Bookmarked_Job	
*internal_id (PK)	INT
*student_id (FK)	INT
*job_id (FK)	INT

Job	
*internal_id (PK)	INT
*job_title	VARCHAR
*company_name	VARCHAR
*level_or_salary_range	VARCHAR
*hr_contact	VARCHAR
field_supervisor	VARCHAR
external_posting_url	VARCHAR
*location	VARCHAR
job_category	VARCHAR
*job_code	VARCHAR
*travel_required	BOOL(BIT)
*position_type	VARCHAR
*date_posted	DATE
*posting_expires	DATE
*hr_recruiter_contact	VARCHAR
*company_contact	VARCHAR
description_summary	VARCHAR
description_duties	VARCHAR
description_requirements	VARCHAR
description_benefits	VARCHAR
description_notes	VARCHAR
*employer_id (FK)	INT
*company_id (FK)	INT

Document	
*internal_id (PK)	INT
*document_data	VARBINARY
*title	VARCHAR
*description	VARCHAR
*document_for	ENUM(VARCHAR: "Student", "Company", "Job")
*reference_id (FK)	INT

Student	
*internal_id (PK)	INT
*first_name	VARCHAR
*last_name	VARCHAR
*email	VARCHAR
password_hash	VARCHAR
phone	INT
address	VARCHAR
linkedin	VARCHAR
about	VARCHAR
interests	VARCHAR
additional_training	VARCHAR
profile_picture	VARBINARY

Bookmarked_Student	
*internal_id (PK)	INT
*student_id (FK)	INT
*employer_id (FK)	INT

Employer	
*internal_id (PK)	INT
*first_name	VARCHAR
*last_name	VARCHAR
*email	VARCHAR
password_hash	VARCHAR
phone	INT
address	VARCHAR
about	VARCHAR
company_name	VARCHAR
*company_id (FK)	INT
profile_picture	VARBINARY

Company	
*internal_id (PK)	INT
*company_name	VARCHAR
*email	VARCHAR
*phone	INT
address	VARCHAR
about	VARCHAR
logo_image	VARBINARY
building_image	VARBINARY

Admin	
*internal_id (PK)	INT
*first_name	VARCHAR
*last_name	VARCHAR
*email	VARCHAR
password_hash	VARCHAR
phone	INT
address	VARCHAR
about	VARCHAR
*control_level	ENUM(INT)
profile_picture	VARBINARY

Experience	
*internal_id (PK)	INT
*student_id (FK)	INT
*employer_company	VARCHAR
*date_range_start	DATE
date_range_end	DATE
*location	VARCHAR
*job_title	VARCHAR
job_description	VARCHAR

Education	
*internal_id (PK)	INT
*student_id (FK)	INT
*school	VARCHAR
*graduation_year	DATE
*location	VARCHAR
*degree	VARCHAR
about	VARCHAR

Military_Background	
*internal_id (PK)	INT
*rank	VARCHAR
*job_specialty	VARCHAR
*branch_of_service	VARCHAR
*security_clearance	VARCHAR
*availability_date	DATE
expires	DATE
about	VARCHAR
*student_id (FK)	INT

Help_Request	
*internal_id (PK)	VARCHAR
*request_type	ENUM
*request_details	VARCHAR
request_account_email	VARCHAR
*request_contact_email	VARCHAR
*account_type	ENUM(VARCHAR: "Employer", "Student", "None")
account_id (FK)	INT
*request_solved	BOOL(BIT)
solved_admin_id (FK)	INT

Preferences	
*internal_id (PK)	INT
*account_type	ENUM(VARCHAR: "Student", "Employer", "Admin")
*account_id (FK)	INT

The column "reference_id" is to be treated as a foreign key referencing either Student, Company, or Job, based on the value of the "document_for" column. Internally it is an FK to all 3, but with minimal constraints, and does NOT respond to changes in other tables.

This same rule also applies to "account_id" in the preferences table.

All references in code to the Document or Preferences table MUST account for the value of "document_for" or "account_type," in order to prevent seeing random documents or someone else's preferences.

The "control_level" column determines how many permissions an admin account has, if needed. The higher the number, the greater the permissions.

The preferences table will be progressively expanded as more features are added! It's purpose is to store a user's personal settings on their account, so they persist.