

## UML Diagram Assignment by James Stanbridge

### Scenario 1: Library

Librarian	Patron
employee_id salary department shift	contact_number email fines_due card_number
search_for_book() promote_event() register_patron()	check_in_book() check_out_book() reserve_book()

Tutor	Book Club
subject qualifications gender availability	location description book_title date_and_time
tutor_student() assign_study_material() review_progress()	read_book() discuss_book() select_new_book()

### Scenario 2: Animal Shelter

Volunteer	Adopter
certifications volunteer_hours preferred_pet_type preferred_activity	other_pets_owned small_children work_hours allergies
walk_pet() feed_pet() clean_kennel()	foster_pet() complete_background_check() schedule_home_visit()

Clinic	DonationFundraisingDept
employees services number_of_cages pet_types_serviced	type_of_donation size_of_storage donation_destination fundraiser_partners
spay_neuter_pet() cremate_pet() prescribe_medication()	accept_dontation() sort_donation() plan_fundraiser()

### Scenario 3: Streaming Games (on Twitch.tv)

Streamer	Viewer
connection_information stream_key streaming_software webcam_status	username subscriptions language_settings bookmarks
start_stream() stop_stream() play_game()	follow_stream() share_stream() report_problem()

Stream	Channel
stream_title current_game total_chat_participants stream_quality	url profile total_views total_followers
host_channel() announce_donation() set_description()	create_highlight() upload_video() change_settings()