**INTEGRATION TESTS**

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| **Test** | **Dependencies** | **Description** |
| test\_create\_user() | create\_user(), get\_user() | Ensure user record in database has the correct values |
| test\_get\_all\_users\_json() | create\_user(), get\_all\_users\_json() | Verifies json data of all users in the system |
| test\_create\_driver\_with\_schedule() | create\_driver(), create\_drive(), get\_driver\_schedule() | Verify driver can be created and multiple drives can be added to their schedule |
| test\_create\_resident\_with\_street() | create\_resident(), get\_resident() | Verify resident is created with correct name and street assignment in database |
| test\_resident\_inbox\_notification() | create\_driver(), create\_drive(), create\_resident(), get\_resident\_inbox() | When driver schedules a drive to a street, verify resident on that street sees drive in inbox |
| test\_stop\_request\_workflow() | create\_resident(), create\_driver(), create\_drive(), create\_stop\_request() | Resident views scheduled drive and creates stop request. Verify stop request is linked to correct drive and resident |
| test\_driver\_status\_update\_visibility() | create\_driver(), create\_drive(), update\_driver\_status(), get\_driver(), get\_resident\_inbox() | Driver updates status during active drive. Verify status change persists and is visible to residents viewing the drive |
| test\_driver\_location\_tracking() | create\_driver(), create\_drive(), update\_current\_location(), get\_driver() | Driver updates location multiple times during drive. Verify all location updates persist with timestamps |
| test\_complete\_drive\_lifecycle() | create\_driver(), create\_drive(), create\_resident(), create\_stop\_request(), update\_driver\_status(), complete\_drive() | Test full drive lifecycle: schedule, residents view, stop requests created, driver updates status, drive completed. Verify data correct at each stage |
| test\_authentication\_driver\_authorization() | authenticate(), create\_driver(), create\_drive() | Only authenticated drivers can create and manage drives. Verify unauthorized attempts are rejected |
| test\_authentication\_resident\_authorization() | authenticate(), create\_resident(), create\_stop\_request() | Only authenticated residents can create stop requests. Verify unauthorized attempts are rejected |
| test\_user\_driver\_association() | create\_user(), create\_driver(), link\_user\_driver() | User account is associated with driver profile. Verify driver actions traced back to user account |
| test\_user\_resident\_association() | create\_user(), create\_resident(), link\_user\_resident() | User account is associated with resident profile. Verify resident actions traced back to user account |