CS544 EA
# Hibernate

EntityManager: Storing Entity Objects

# em.persist(entity)

- The .persist() method takes the provided entity
  - Tries to check that it is **Transient, makes it Managed**

```
em.getTransaction().begin();
Customer c = new Customer("Jack", "Welsh");
em.persist(c);
em.getTransaction().commit();
```

- Hibernate implements:
  - For @GeneratedValue Checks that @Id == null
    - Else throws PersistentObjectException: detached object
  - For assigned IDs no check
    - DB Throws EntityExistsException if insert fails (same ID)

# No Return Value

- Persist() **returns void**
  - Instead of returning the ID of the inserted row
  - JPA does not require immediate execution of insert


- Hibernate inserts entities with @GeneratedValue right away
    - Waits to insert entities with Assigned Ids