

# ENSF 619 – Term Project 2- Group 8

Submitted: December 8th, 2020

## Statement of Purpose:

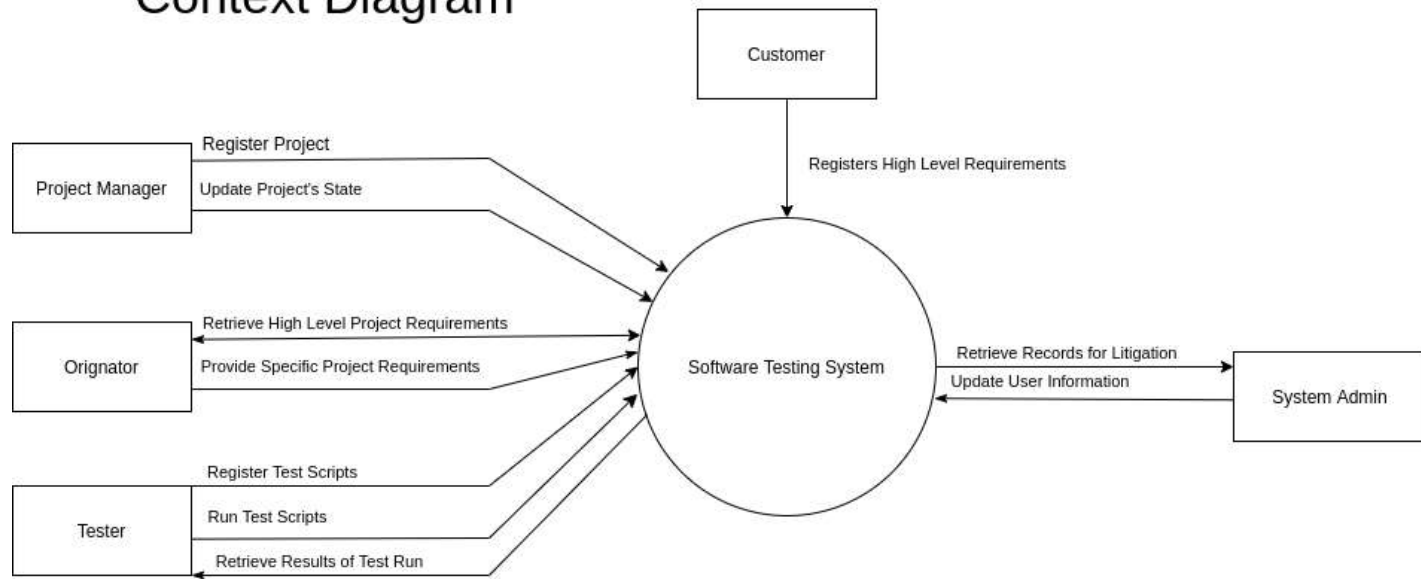
The purpose of this system is to help our Client facilitate adoption of requirements-based testing by allowing the Client's Users, System Analysts, and Software Architects to register project requirements based on high-level requirements provided by our Client's customers. The System must allow Project Managers to register project and update project attributes and state. Further, the system must also allow testers to register test scripts, execute test runs, and review the results of the test runs. The system administrator should also be able to manage the users who access the system as well as request records for all test runs for a given project for the purposes of litigation support.

## Flow of Events:

- Customer registers high-level requirements.
- Originator retrieves high-level requirements.
- Originator provides specific project requirements.
- Project Manager register project.
- Project Manager updates project state.
- Tester registers test script.
- Tester runs test scripts.
- Tester retrieves results of test run.
- System administrator retrieves records for litigation.
- System administrator updates employee info.

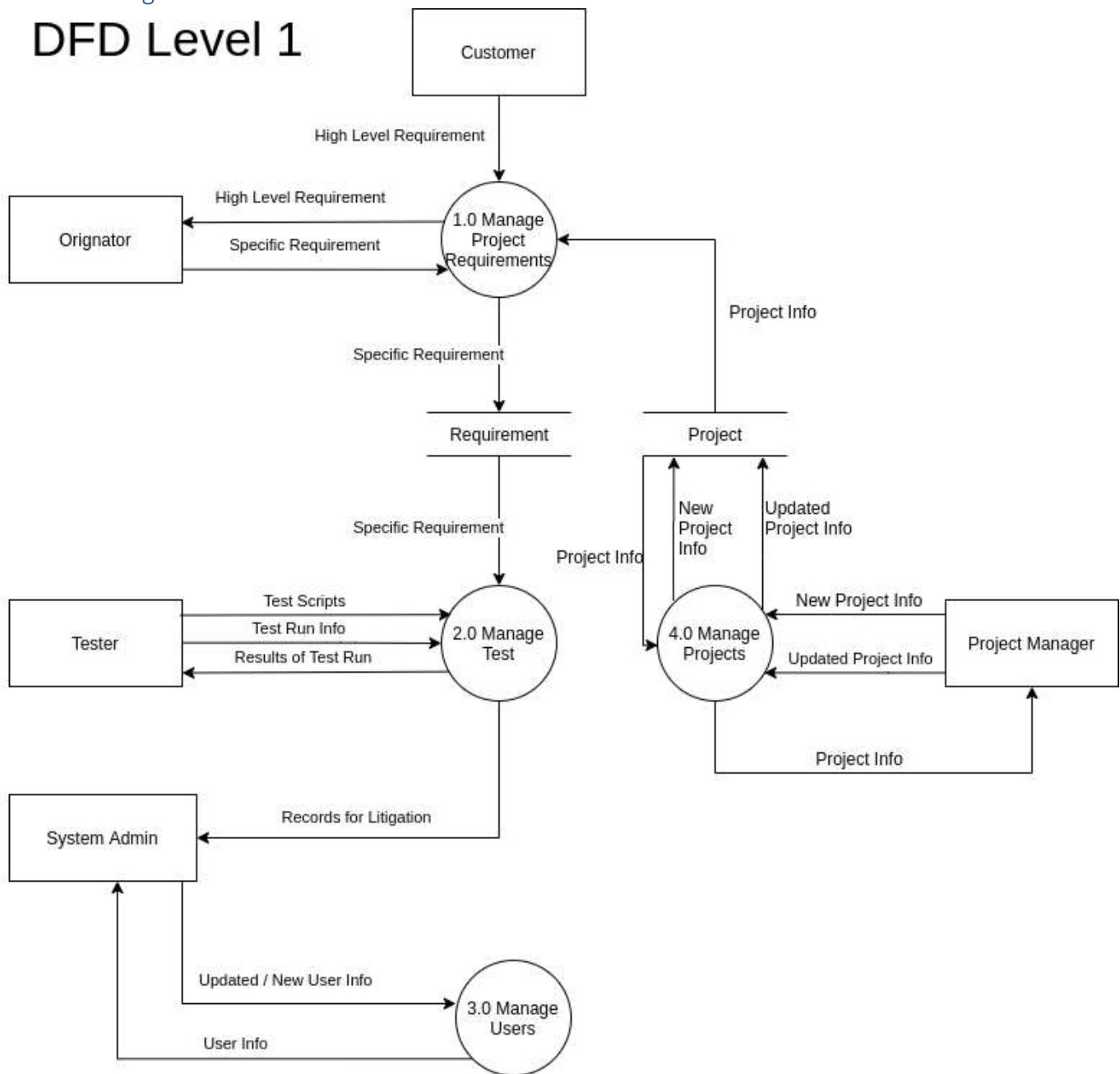
Context Diagram:

## Context Diagram



Level 1 DFD Diagram:

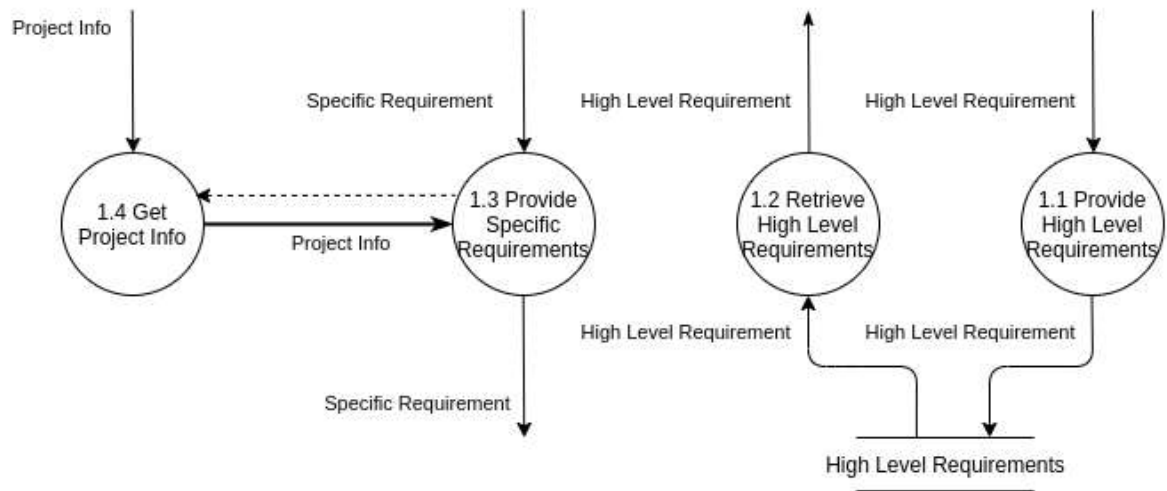
## DFD Level 1



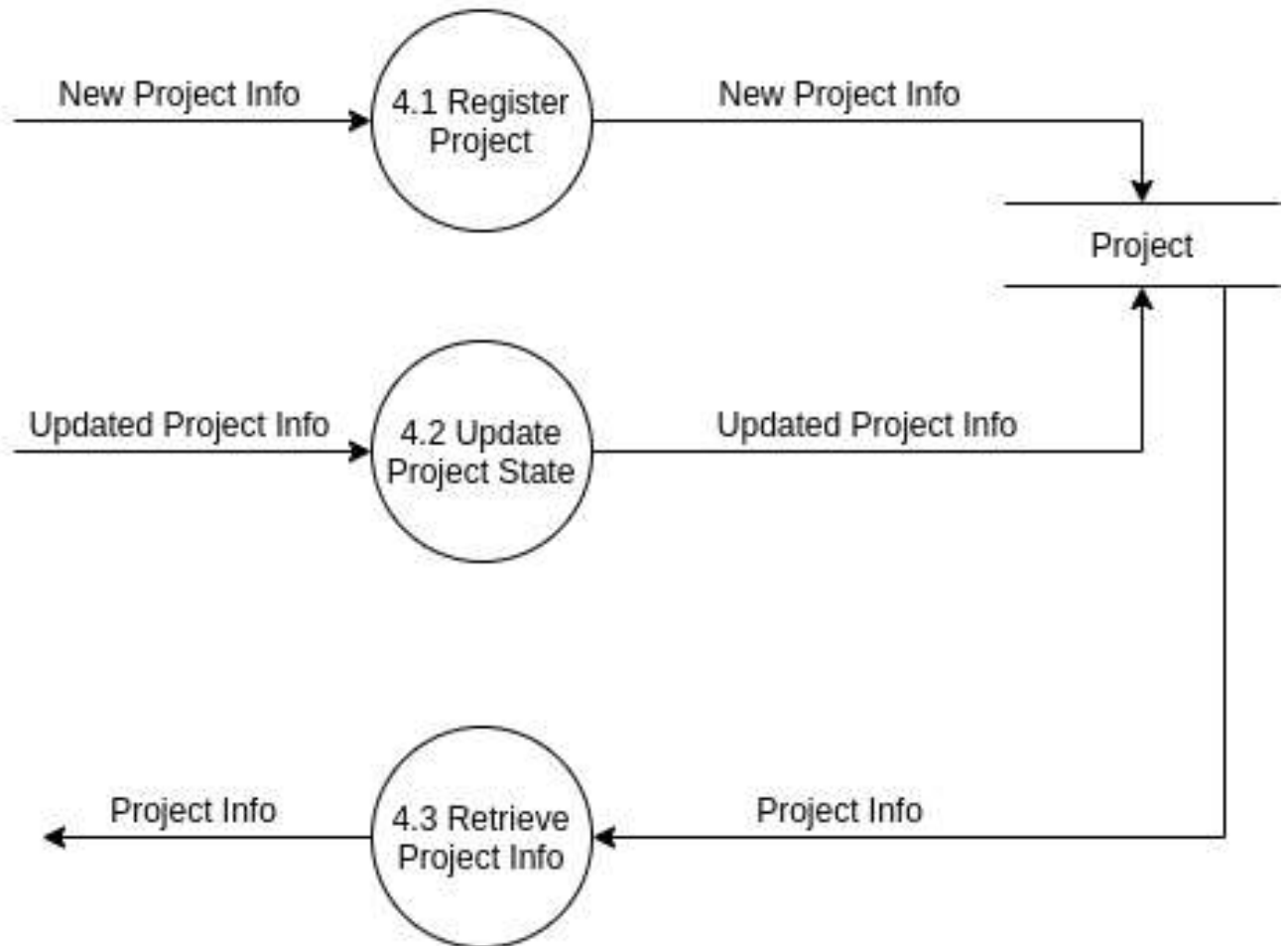
Level 2 DFD Diagrams:

Manage Project Requirements:

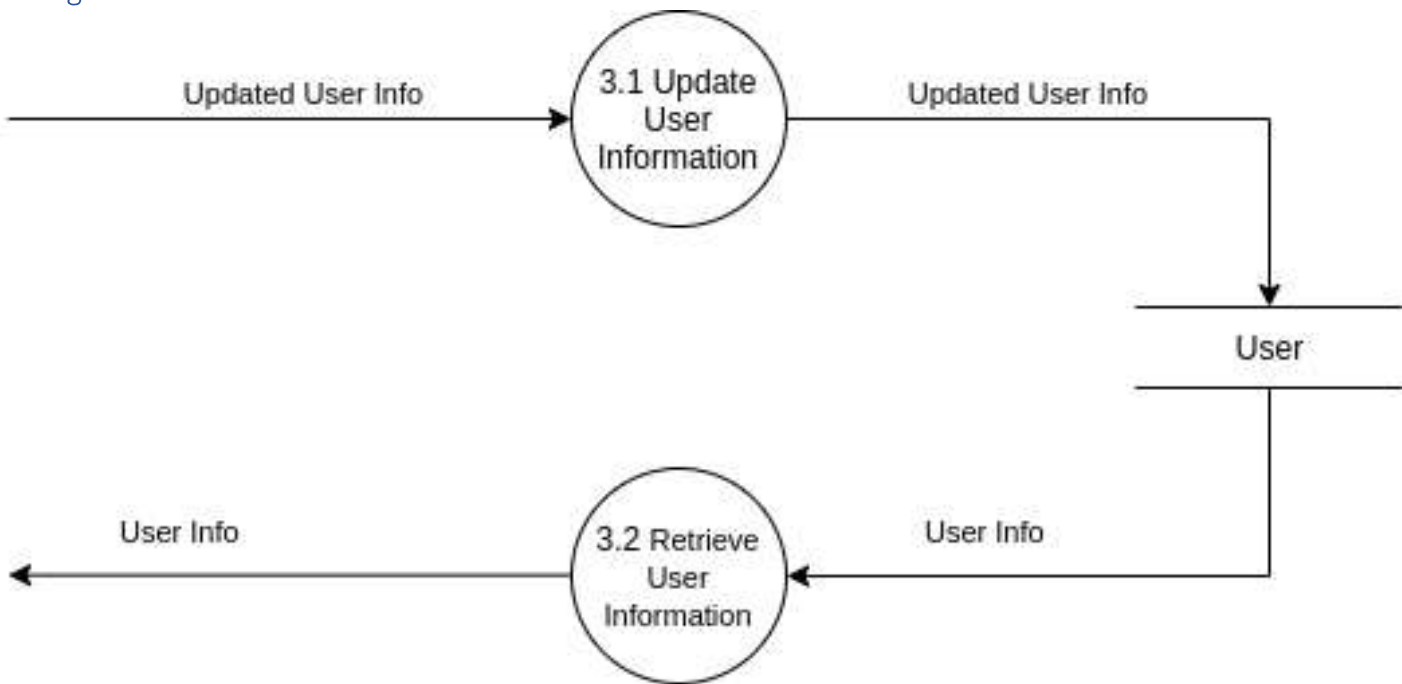
## DFD Level 2 - Manage Project requirements



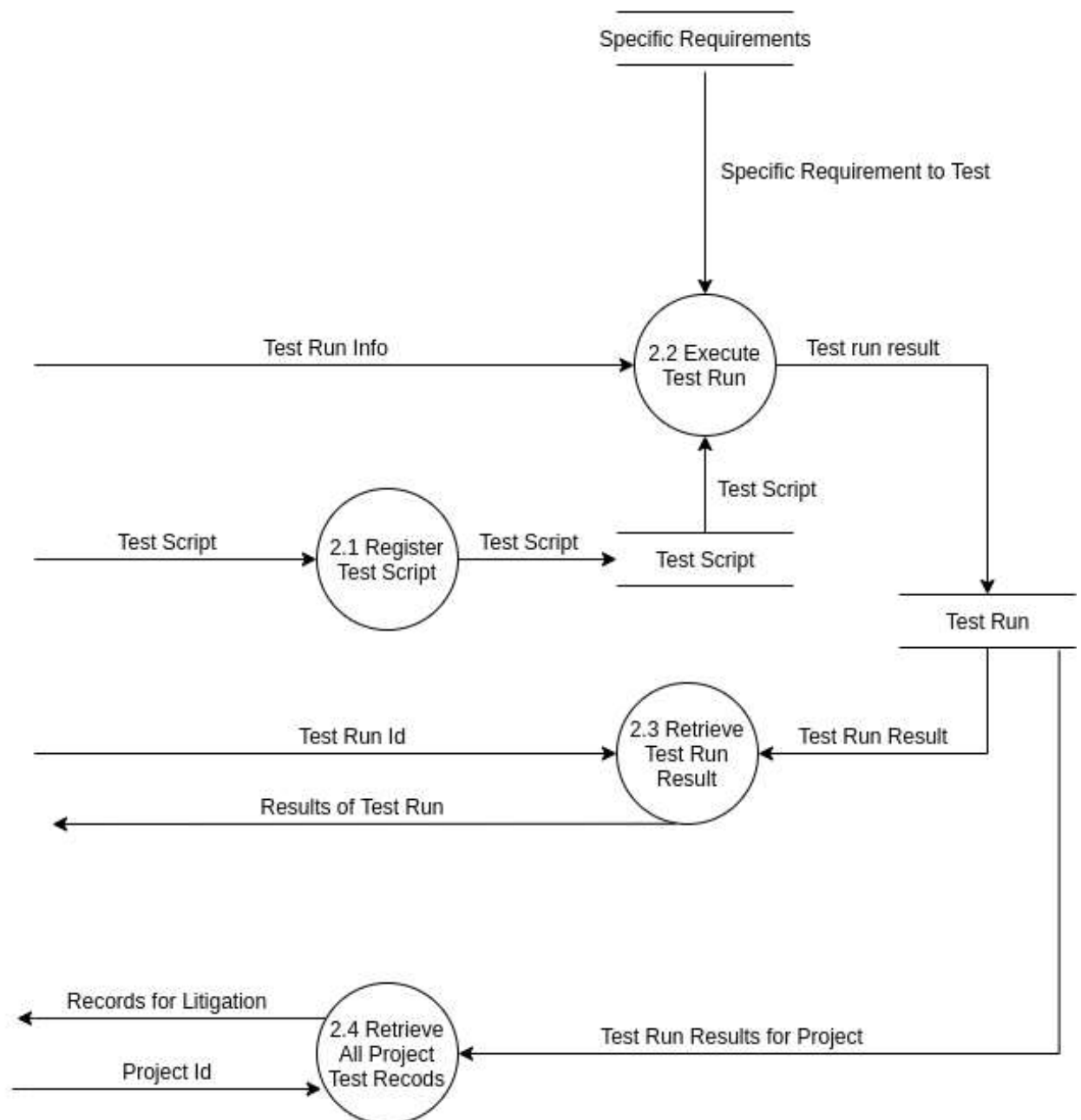
# DFD Level 2 - Manage Projects



## Manage User



## DFD Level 2 - Manage Tests



## Entity Relationship Diagram

