

ASSIGNMENT #3

Cason Konzer 7/25/21




UNIVERSITY OF
MICHIGAN

Flint Campus

[CSC-382]: Software Engineering

Contents

- 1.0 Complete 2 Activity Diagrams: Pgs. [2-3]
At Least 4 diamonds (decisions and merges).
- 2.0 Develop 2 Swim Lane Diagrams: Pgs. [5-6]
Use diagrams from part 1.
- 3.0 Develop 5 CRC Cards: Pgs. [8-12]
Use Use-Case Narratives from HW 2.
-  Works Cited: Pg. [13]

Complete 2 Activity Diagrams

Diagram 1 {Reddit Information Retrieval}

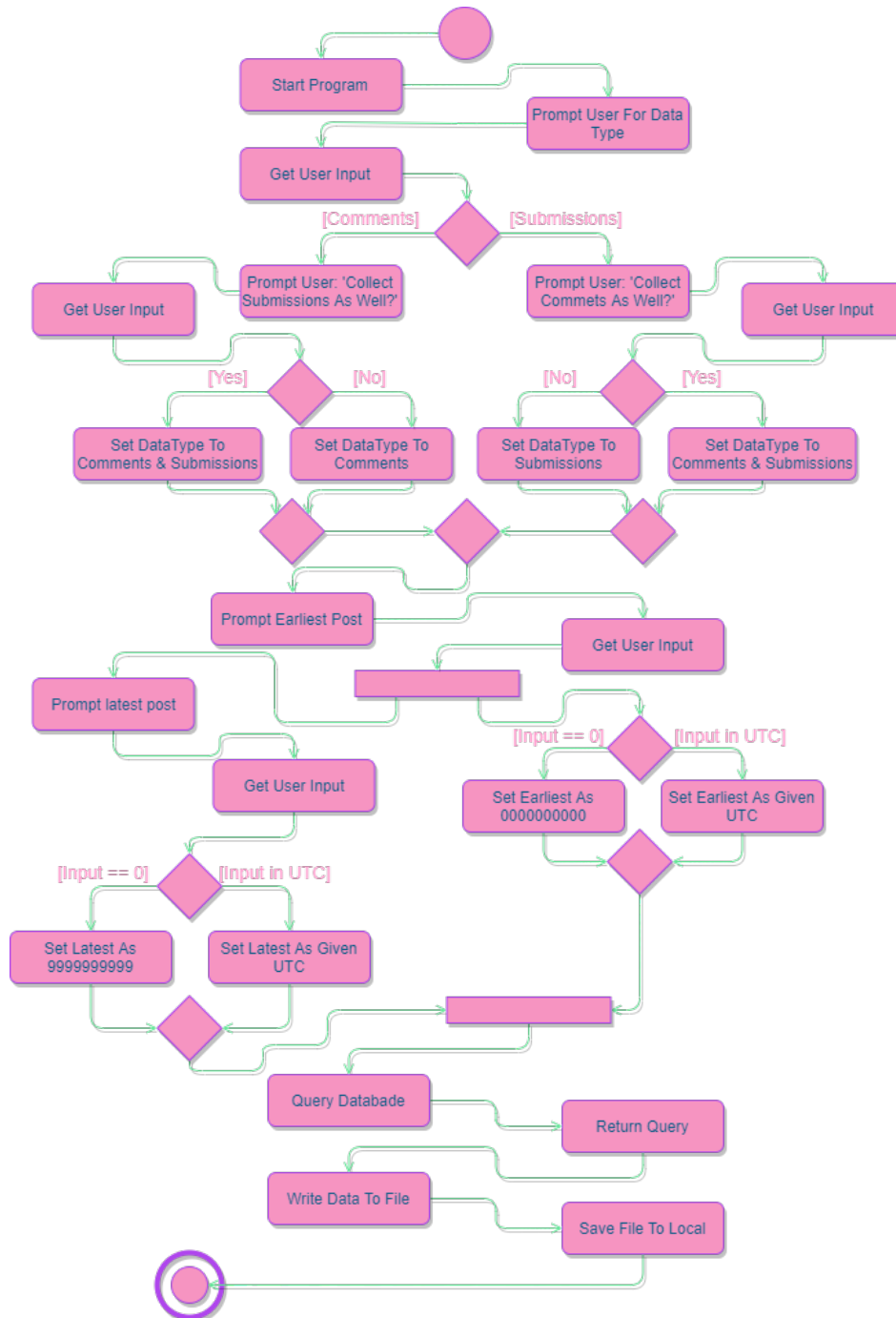
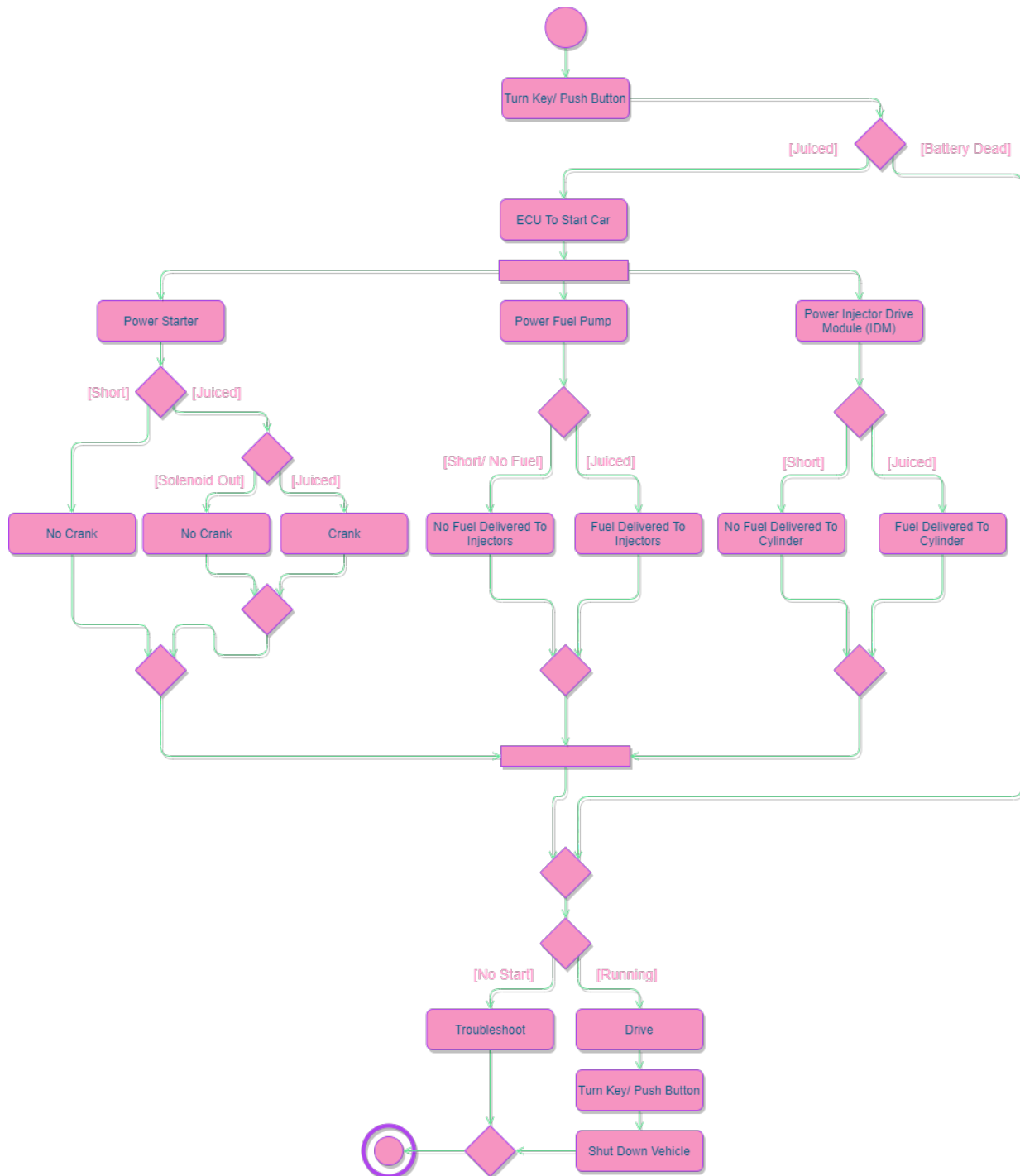


Diagram 2 {Diesel Engine Ignition}



This page is intentionally left Blank.

Develop 2 Swim Lane Diagrams

Diagram 1 {Reddit Information Retrieval}

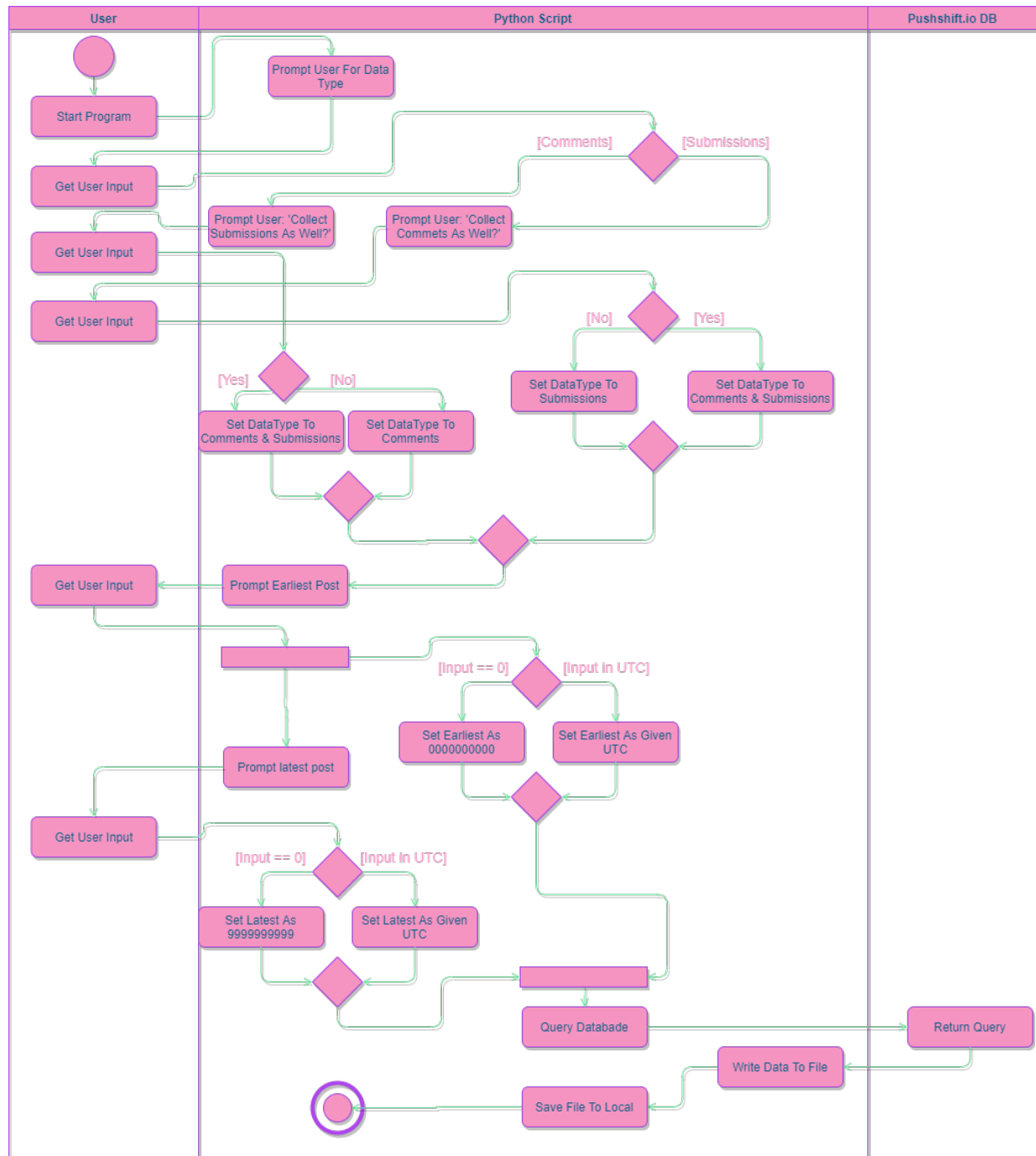
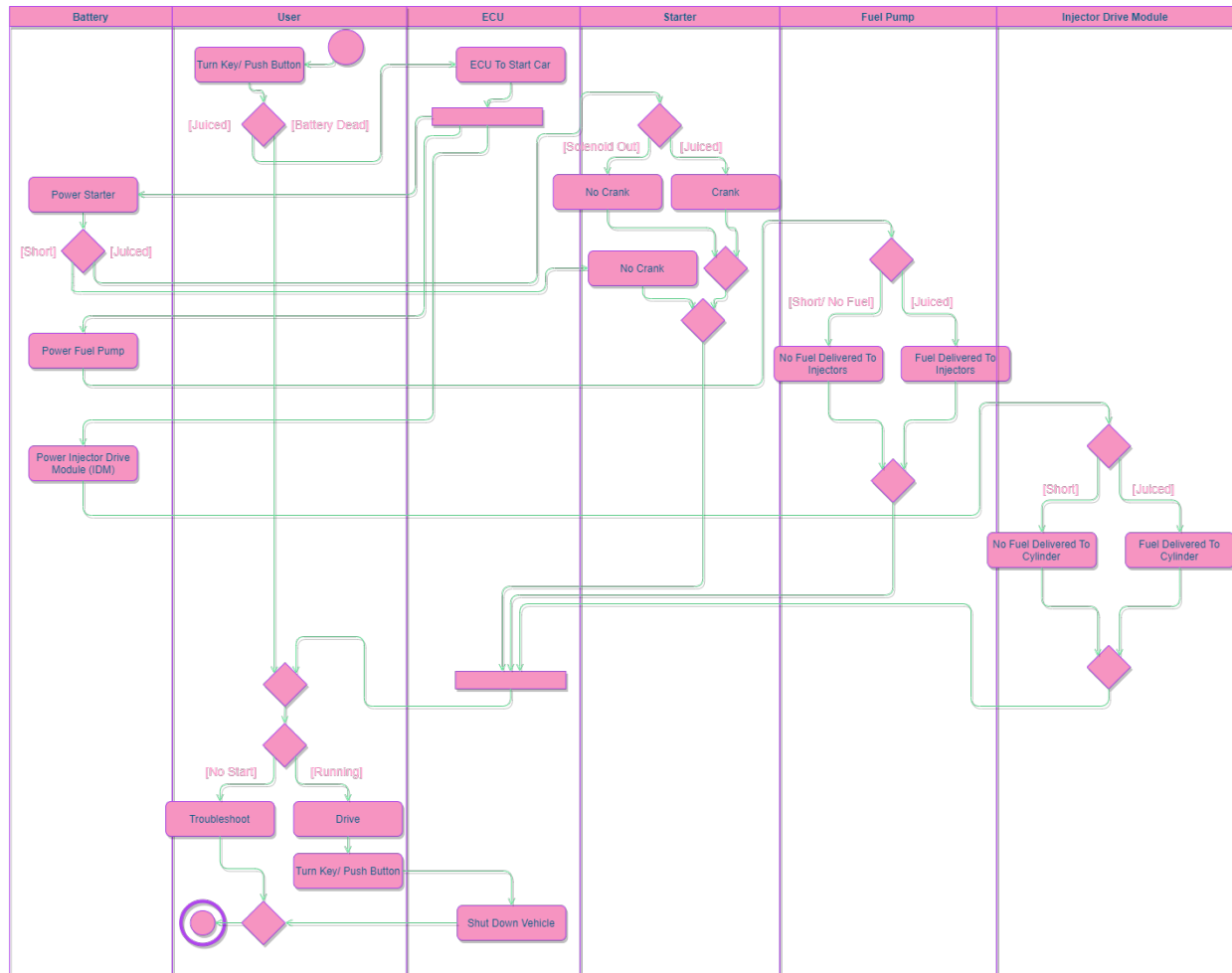


Diagram 2 {Diesel Engine Ignition}



This page is intentionally left Blank.

Develop 5 CRC Cards*Card 1 {User}*

Candidate Name	
- User (Ticket Buyer)	
Purpose/Definition	
- User interfaces with Kiosk to buy tickets to movies/ concerts/ plays they wish to attend.	
Responsibilities	Collaborators
<ul style="list-style-type: none"> - Cash Balance - CreditCard Limit - Bluetooth Capabilities - View Advertisement - Select Event - Preview Event - Purchase Event Ticket (Credit / Cash) - Acquire Event Ticket / Receipt (Physical / Digital) 	<ul style="list-style-type: none"> - LCD Screen - Speakers - Event DataBase - Media DataBase - Cash Exchanger - Printer - Credit Card Reader + DataBase - Bluetooth Module - Advertisement DataBase

Card 2 {Admin}

Candidate Name	
- Admin	
Purpose/Definition	
- Maintain up to date system; fix system issues; perform systems tests / queries	
Responsibilities	Collaborators
<ul style="list-style-type: none"> - Admin Credentials - System Queries / Tests - System Specifications - Update Admin Credentials - Update System Firmware - Run System Tests - Update System Queries / Tests / Specs - Run Database Update Queries 	<ul style="list-style-type: none"> - Internet Connection - Admin - LCD Screen - Speakers - Event DataBase - Media DataBase - Advertiser DataBase - Credit Card Reader + DataBase - Cash Exchanger - Bluetooth Module - Printer

Card 3 {Credit Card DB}

Candidate Name	
- Credit Card DataBase	
Purpose/Definition	
- Verify and process credit card payments	
Responsibilities	Collaborators
<ul style="list-style-type: none"> - Stored Information For Vaild Credit Cards - Payment Processing Cabability 	<ul style="list-style-type: none"> - Admin - Internet Connection - LCD Screen - Speakers - Credit Card Reader
<ul style="list-style-type: none"> - Process Payment - Verify Credit Card - Update Credit Card Info 	

Card 4 {Media DB}

Candidate Name	
- Media DataBase	
Purpose/Definition	
- Display event preview (artists / venues), location preview, concert preview,	
Responsibilities	Collaborators
<ul style="list-style-type: none"> - Venue Images / Videos - Past Event Images / Videos - Artist Performance Images / Previews 	<ul style="list-style-type: none"> - Admin - Internet Connection - LCD Screen - Speakers
<ul style="list-style-type: none"> - Update Artist Images / Previews - Update Past Event Images / Videos - Update Venue Images / Videos 	

Card 5 {Event DB}

Candidate Name	
- Event DataBase	
Purpose/Definition	
- Store all events in near future that Kiosk wishes to sell tickets for, as well as their corresponding venues.	
Responsibilities	Collaborators
<ul style="list-style-type: none"> - Event List (Name & Price) - Event Artists / Performers - Venue Location / Capacity / Seating - Display Event Time / Artists / Location / Pricing - Display Venue Seating / Layout - Update Event List - Update Event Artists / Performers - Update Venue Capacity / Seating - Acquire Event Ticket / Reciept (Physical / Digital) 	<ul style="list-style-type: none"> - Admin - Internet Connection - LCD Screen

Works Cited

Pressman, R., and B. Maxim, *Software Engineering: A Practitioner's Approach, Eighth Edition*, McGraw-Hill, 2015.