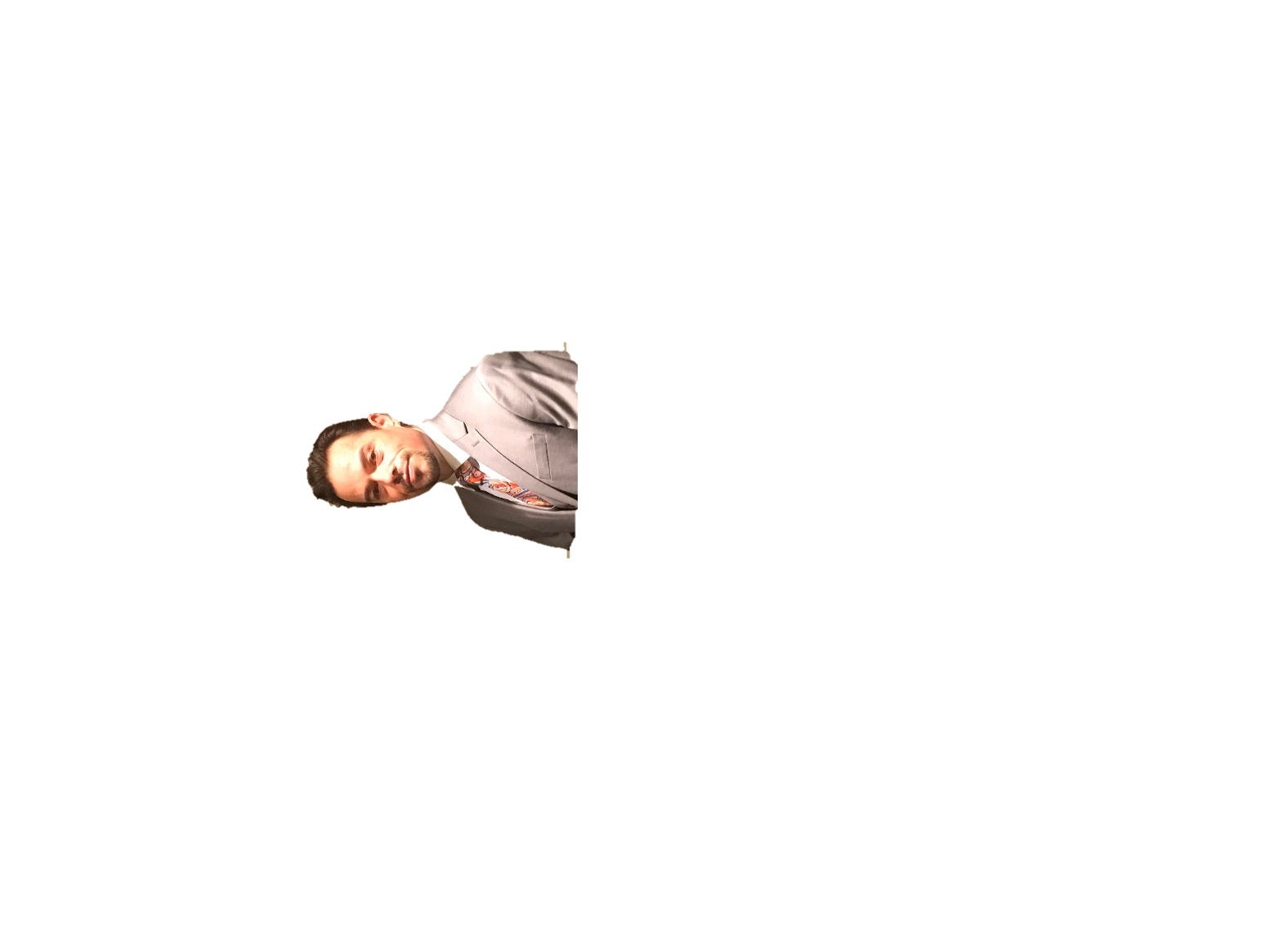


Team: CMP669

Cengiz Han Beslen Nguyen Minh Chau

Thursday, April 23, 2020

CMP 669 Software Engineering Project

Course Project Package 6

Virginia International University / Fairfax University of America

[**Gdrive Link to Excel file**](https://drive.google.com/file/d/1gTvis_Q8tRezJ2h-suFeTOHDZFWSw8lC/view?usp=sharing)

# Assignment Requirements

**A screenshot of a social media post

Description automatically generated**

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# Product information

Vehicle Hauling Management System with Smart App is software solution for car carrier companies to manage their daily business activities, such as recording jobs/load, dispatching drivers, receiving inspection reports, recording expenses, and tracking load status using smartphone, and be able to report all transection at the at any time using web application or smartphone app as well as generating reports government requirements. The software would be able to dispatch, track, and control the loads as well as inform clients with location date of the load and generate invoice at the end of transection. It will also allow driver to do inspection with images of the loads and record them to the database. The software system will also allow managers to track their assets status such as parts, services and mileage for expense report as well as calculate revenues and payroll. The software also allows reporting the performance of each asset.

# Product Road-Map Report



# Product Backlog Report including 10 user stories



# Iteration (Sprint) Backlog Report including 5 user stories. Each story will include number of tasks.





# Sprint Backlog & Burn Charts













# Release Burnup



# Sprint Velocity Chart



# Iteration Review Status Report



# Iteration Retrospective Report



# Epic Progress Report



# Cumulative Flow Diagram (CFD) is to identify the number of issues in each status over time:



# MVP Definition of Done

• Code peer-reviewed

• Acceptance criteria met

• All test cases for user stories passed

• Integration tests passed

• Documentation updated

• Pre-production app run on top 5 browsers

• Pre-production app run on top 3 mobile devices

• System-level NFR (performance) is tested and passed

peer review

Acceptance criteria

Integration

User stories

Documentation

Performance

APPROVAL

TEST

DEVELOP

Browsers

Mobile devices

# Risk Burndown Chart:

**Sprint Risks Exposure (Days)**

**1 365**

**2 266**

**3 223**

**4 165**

**5 153**

**6 153**

****

# **Team Burn Rate**

****

**Sprint: 4**

**Planned burn rate: 9.1**

**Actual burn rate: 10.465**

****

****

# **Resource Utilization**

**Sprint: 4**

**A total hours of all team: 83.72**

**Cengiz: 75% 6 h/day**

**Chau: 50% 4h/day**

**B team: 10h/day**

**A/B Days used for this sprint: 8.4 at the end of Day 8**

****

# **Release Velocity**

**Sprint: 4**

**Total Story points completed: 187.4**

**Velocity: 46.85**

**Release velocity: 281.1**

****

# **Agile Earned Value**

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