# Department of Computing

# CS344: Web Engineering

# Lab 3: AeroFighter

# Date: 29 September 2015

# Time: 10:00 AM - 01:00 PM & 02:00 PM – 05:00

# Instructor: Fahad Ahmed Satti

# Lab 3: AeroFighter

## Introduction

In this lab, students will create a 2D flight simulator. This simulator will have a changing background and will be able to move up and down based on user input (start by clicks only). The simulator will use only HTML5 and CSS3. Each student must, individually build the complete web application on their own. Students must upload their solutions on [GitHub](http://www.github.com) and LMS to qualify for evaluation.

## Objectives

1. Create a 2D flight simulator.
2. The simulator will change its background to show plane animation.
3. The plane will start moving by user input and will keep moving.
4. Move it up and down based on user input.
5. Use a Version Control System (VCS) to manage solutions.
6. **BONUS**: Make the plane move faster if forward key is pressed.

## Tools/Software Requirement

1. Students should implement their solutions using HTML5 and CSS3 only.
2. Besides LMS, Students must also use GitHub and upload their complete solutions and a description document on it.

## Pitfalls

* Any exceptions or errors leading to non-execution of submitted code.
* Failure to upload the solution to GitHub or not sharing the public repo link on LMS.
* Using Javascript or any other scripting language, besides HTML5 and CSS3
* Failure to explain the submission, during viva.

## Deliverables

Students must upload the following, on GitHub and LMS:

1. Description document(Including a link to GitHub)
2. All source code