Progress Presentation

EECE404 Senior Design II
Department of Electrical and Computer Engineering
Howard University

Dr. Charles Kim

www.mwftr.com/SD2425.html

Progress through increments

- Agile Workflow & Weekly Development Tasks: sprints & increments

EECE404 Senior Design II

404 Agile Weekly Project Implementation Plan

Team Name	
Final Solution Product	

Starting Date of Week (M)	Sprint #	Increment (or intermediate working component)	Weekly development tasks
1/27/2024	1		
2/3/2024			
2/10/2024			
2/17/2024	2		
2/24/2024			
3/3/2024			
3/10/2024			
3/17/2024	3		
3/24/2024			
3/31/2024			

Project Tracking and Review

- Purpose of Tracking and Review
  - Need appropriate measurement of project progress
  - Need to identify and mitigate project failure risks
- Tracking and Review
  - How is it going with the agile project management?
  - What's the increment ?
  - Which tasks were successfully completed and which tasks were not?
  - Show/demonstrate the increment
  - How to resolve any issues in the unsuccessful tasks?
- Vehicle for Tracking and Review
  - **Progress presentation** for each sprint
  - 3 sprints → 3 progress presentations

Progress Presentation

- **Frequency**
  - Every 3 weeks
  - Check the Website for the presentation schedule
  - In-person Team presentation
  - Contingency Plan - Online/Zoom presentation
    - Share and present the slides in the Zoom/Online platform
- **Format**
  - 5 slide pages & 2 minute per slide (a total of 10 minutes)
  - Q&A 5 minutes
  - **Every member should equally participates in the presentation**

Progress Presentation

- Start from the Agile Workflow & Weekly Implementation Plan: sprints & increments
- EXAMPLE (slightly revised one)

EECE404 Senior Design II

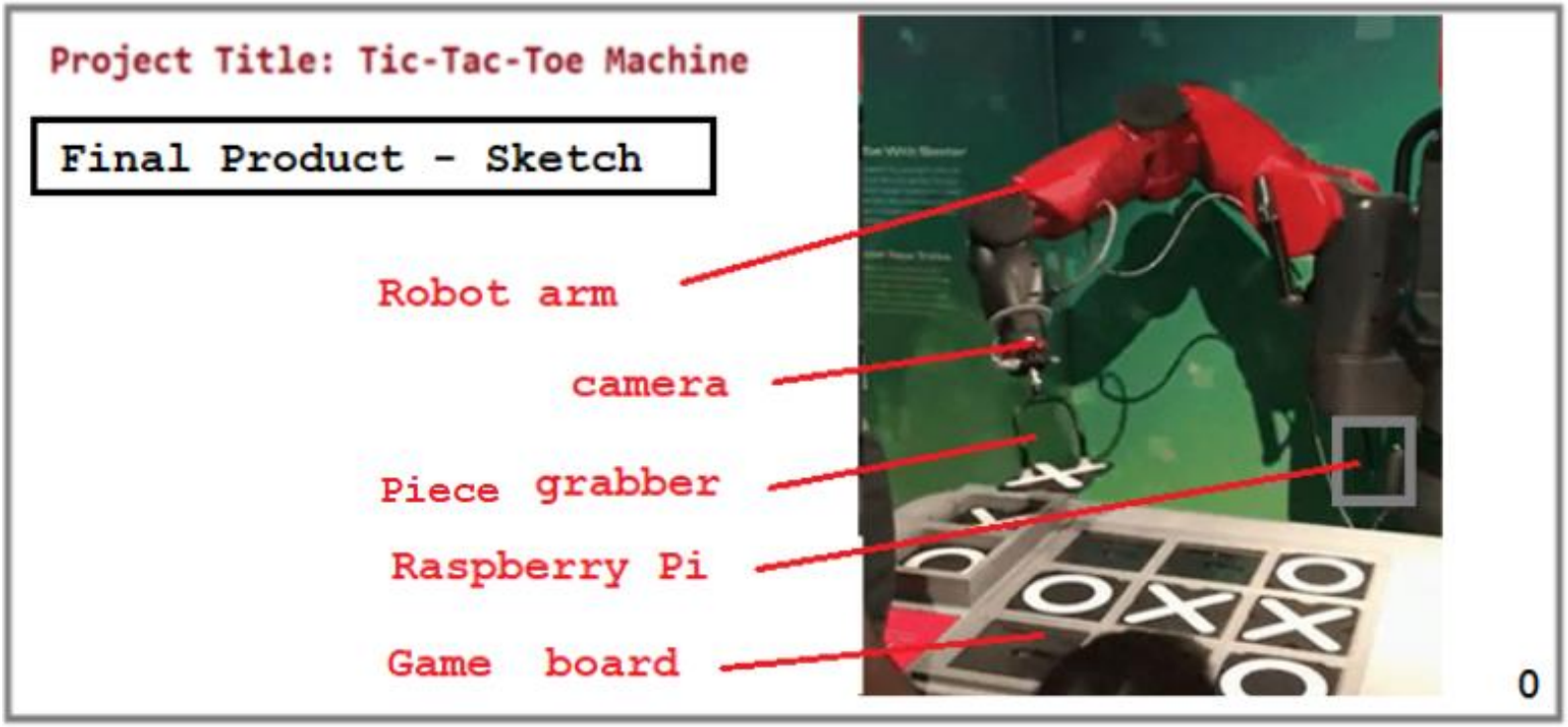
404 Agile Weekly Project Implementation Plan

Team Name	Terminator
Final Solution Product	Tic-Tac-Toe Machine

Date of Week (M)	Sprint #	Increment (or intermediate working component)	Weekly development tasks
1/27/2024	1	3x3 game board which accepts O and X Locations	Game board design in Python
2/3/2024			Displaying O and X in the board
2/10/2024			Human input
2/17/2024	2	Game with Human Player	Minimax Algorithm implementation
2/24/2024			Winning Strategy implementation
3/3/2024			Game playing, playing, playing
3/10/2024			Assembly of Robot Arm with Camera
3/17/2024	3	Robot Arm playing againt Human player	Recognition of Game board
3/24/2024			Recongition and placement of O and X pieces
3/31/2024			Practice Game

Progress Slide Format (5x2 5 slides 10 minutes)

- **Page 0**:
  1.Project Name
  2.Date
  3. Final Product-Sketch



Progress Slide Format (5 slides 10 minutes)

- **Page 1**:
  1. Project Name
  2. Date
  3. Sprint #
  4. Increment (piece)
  5. The 3-week tasks

Project Title: Tic-Tac-Toe Machine

Today's Date:

Sprint #1

"Piece": 3x3 gameboard which accepts O and X locations

Planned Weekly Tasks:

Week 1: Game board design

Week 2: Game Board display with X and O marks

Week 3: Allow human inputs

1

Progress Slide Format (5 slides 10 minutes)

- **Page 2**:
  - Highlights
    1. What's achieved
    2. What went well
  - Lowlights
    1. What's not achieved
    2. What's the issue

HIGHLIGHTS

1. Gameboard Display with text mode
2. Initial and ahead-of-schedule computer response

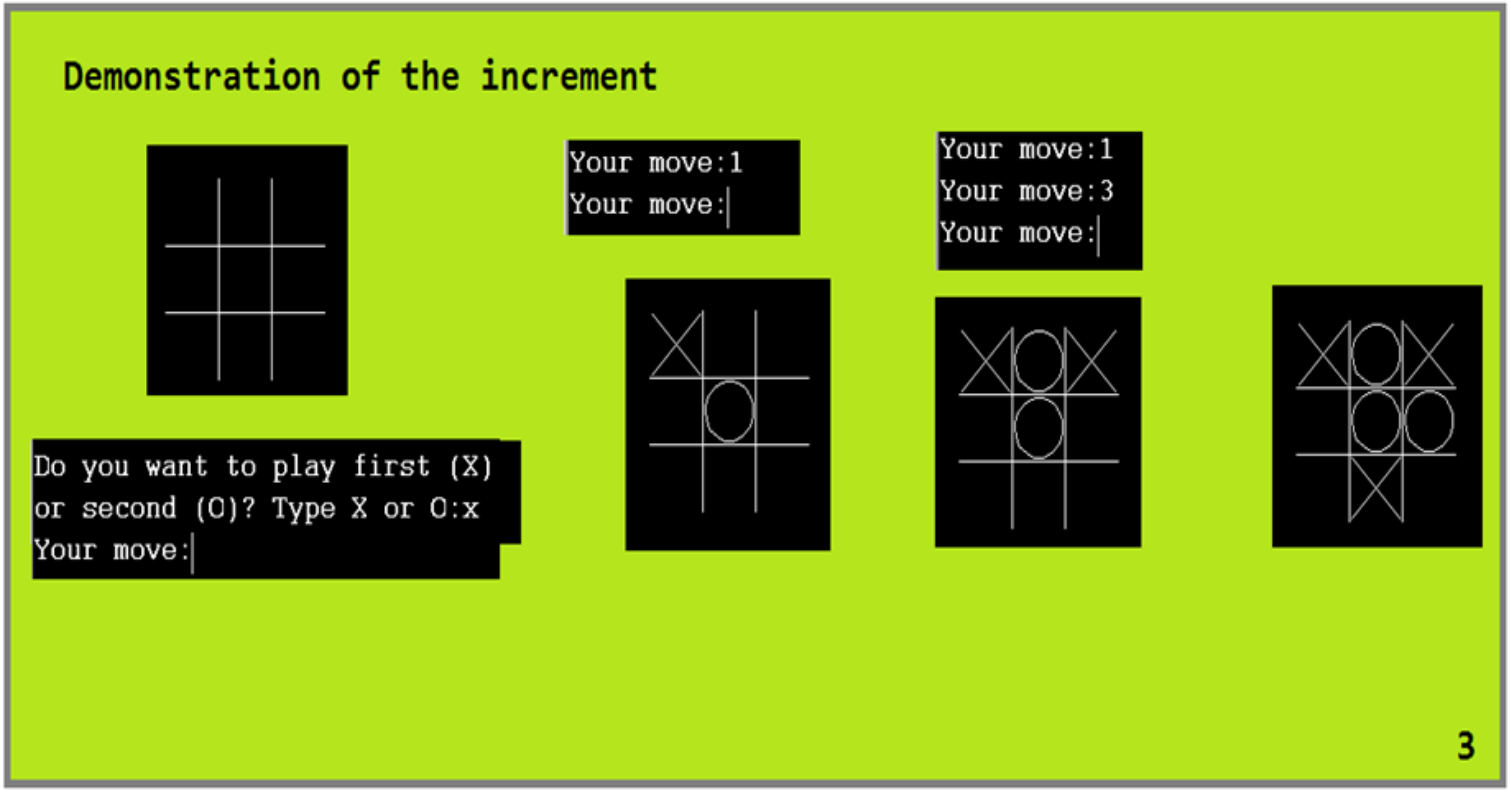
LOWLIGHTS

1. Display with graphic mode not working
2. Conversion of the grid identification from 1 - 9 to 3x3 array not done

2

Progress Slide Format (5 slides 10 minutes)

- **Page 3**:
  - Show and demonstrate the increment



Progress Slide Format (5 slides 10 minutes)

- **Page 4**:
  - **Team Leader**
  - Resolution of the Issues
  - Reduction of failure risk

Resolution of the issues

1. Good progress so far and no major issues

2. One issue - Graphic display of the board and O/X marking

3. Resolution - Search for Python libraries
   - Search for example codes to learn from
   - Practice of Python array

4. Failure Risk:- Presently very low
   - No mitigation is needed this time

4

Grading Rubric for Progress Presentation [15 points]

- Observance of the 5 - 10 rule (5 pages,10 mins) with the required contents [2]
- Amount of achievement in delivering the increment [10]
- Presentation balance (or equal presentation) among team members in the amount of time and/or the number of pages covered [3]

Progress Presentation - Schedule

- 1st Progress Presentation:
  - (T) Feb 18
    - AEMD, BisonBots, CoPilots, CTRL, Drone
  - (T) Feb 25
    - EMFdetector, GlowGarments, IdealB, Rescuer, Sensor