Robot Unicorn Attack





Flying Pegasus Ground Attack Kelly Qi | Tania Yu



Camera

- Nexys4-DDR OV7670 Camera
- VGA 640x480 resolution
- Tracks hand motion
- RGB2HSV





Object Recognition





Game Logic



Graphics





Sprite Storage

- Load background image to BRAM one column at a time
- Pre-load sprites in BRAM



Game Output

• Video to the monitor



Audio to the speaker

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Pegasus







Week	11/1	11/8	11/15	11/22	11/29
Task					
Motion tracking					
Basic graphics					
Flight physics					
Integration and testing of basics					
Attacking obstacles					
Collision detection/death					
Integration and testing					
More graphics					
Sound effects and music					
Final integration and testing					
Stretch goals					

Kelly Tania Both

