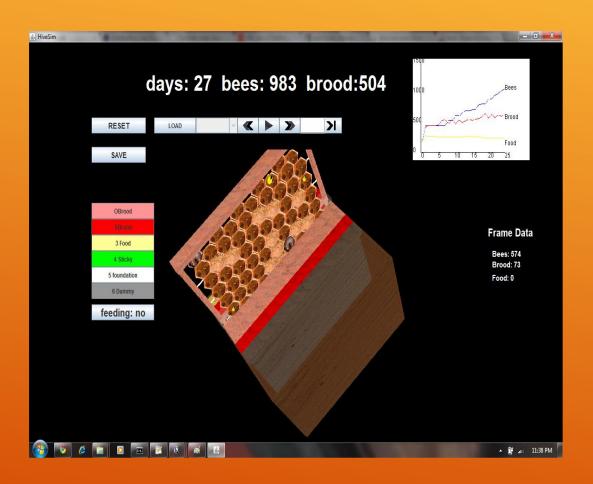
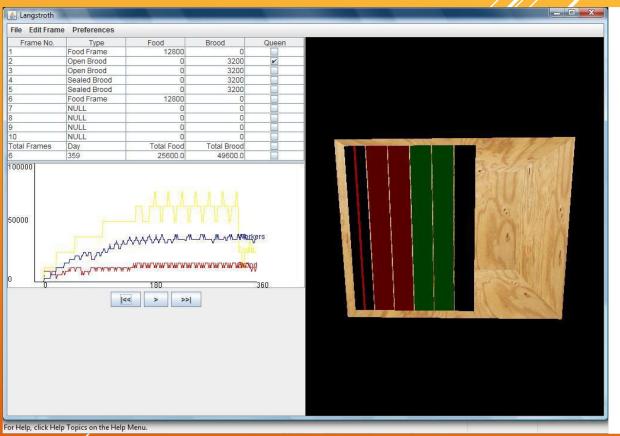
# 3D MOBILE SIMULATION APPLICATION FOR LEARNING SEASONAL BEEHIVE MANAGEMENT

PREPARED BY: ALBERT DOMINIC CRISOSTOMO 2015-07794

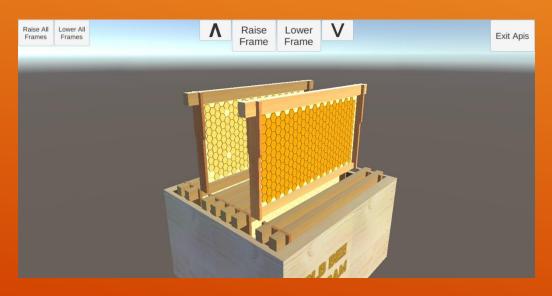
#### Related Works

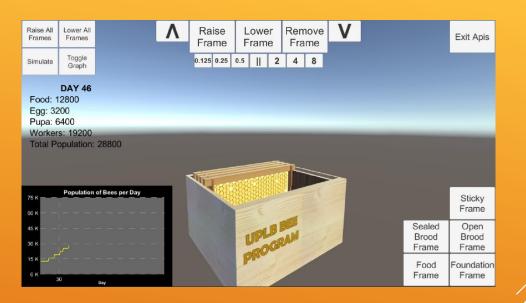


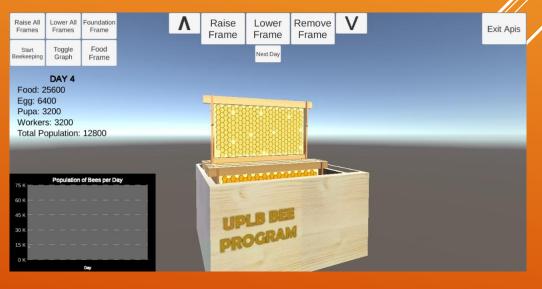


#### Solution

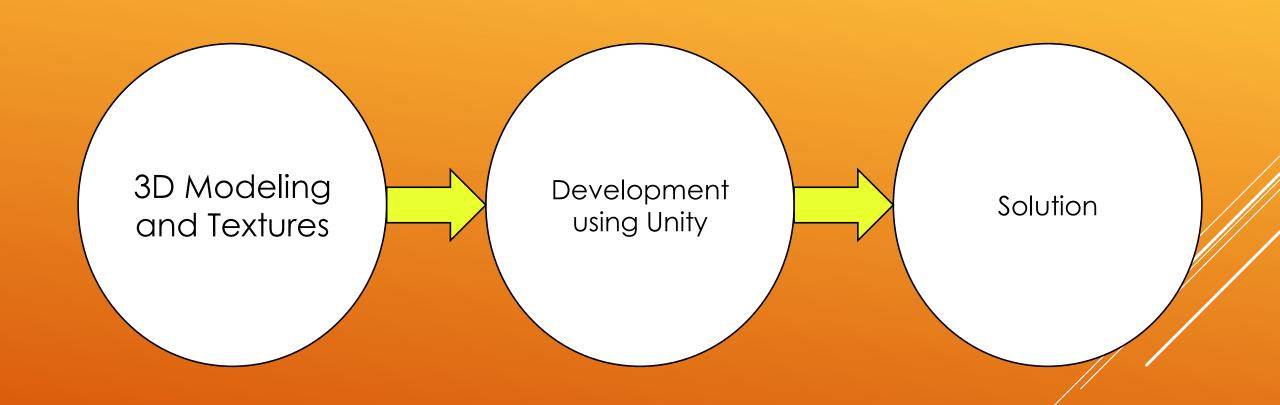








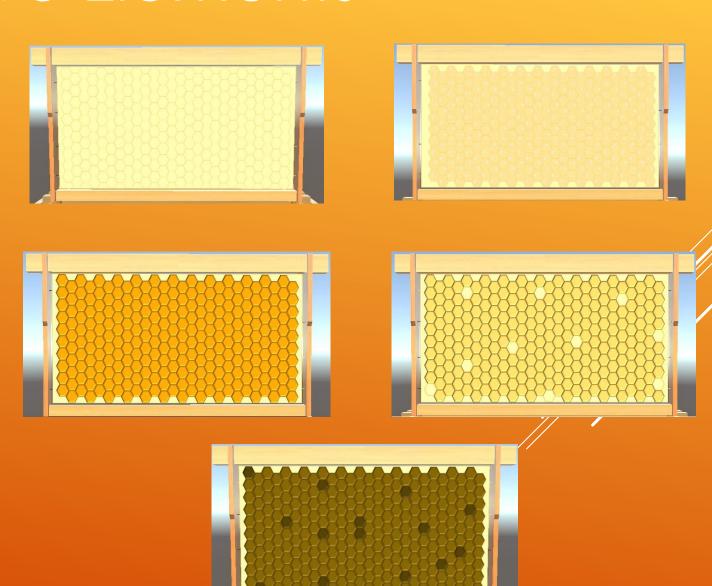
# Methodology



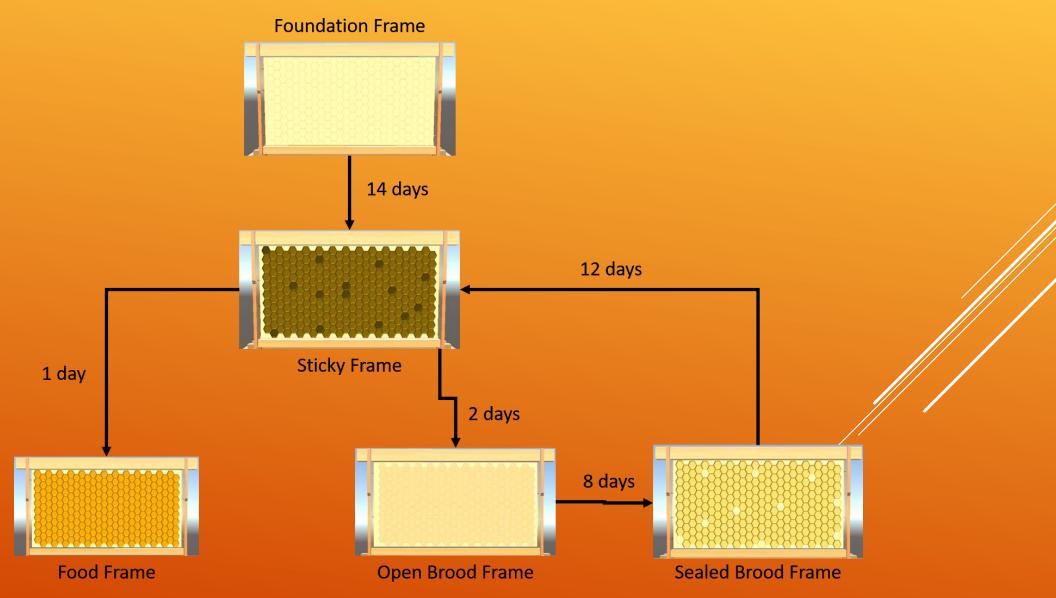
#### Beehive Elements



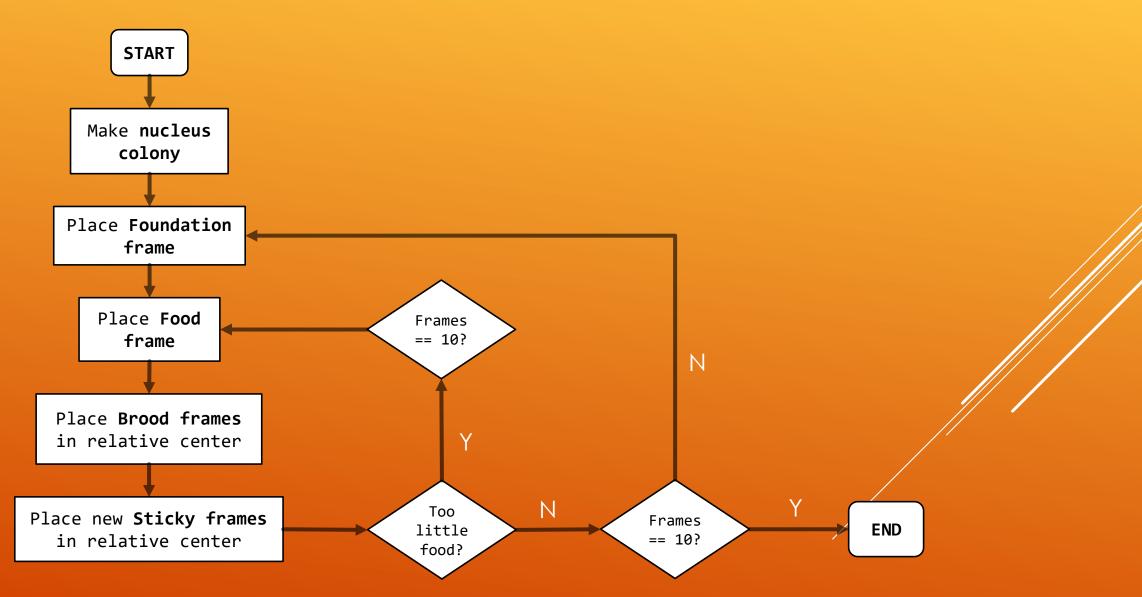
Langstroth boxed hive



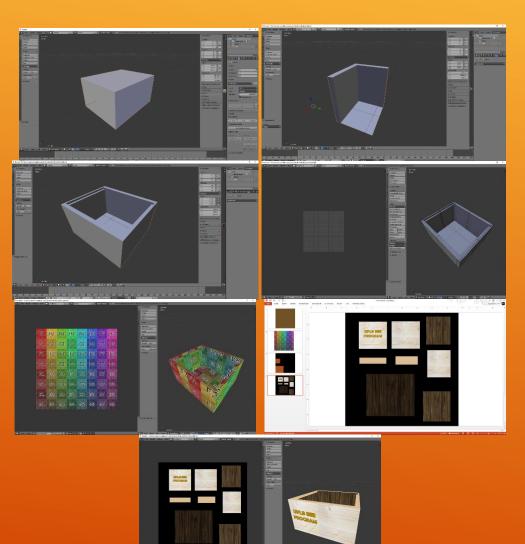
# Frame Cycle

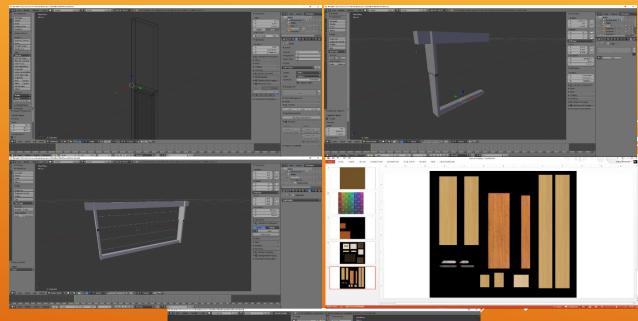


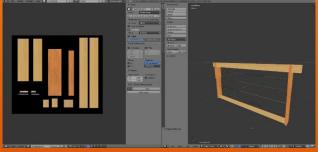
### Proper Beehive Management



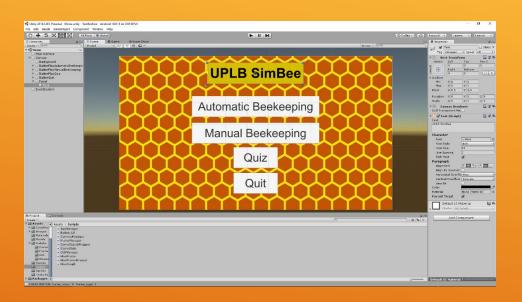
# 3D Modeling and Textures

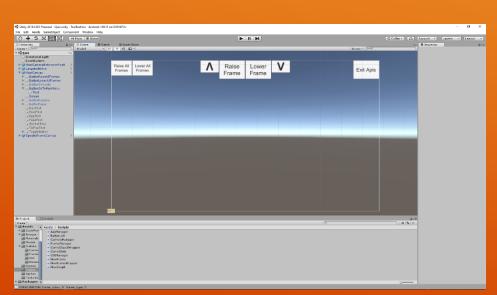




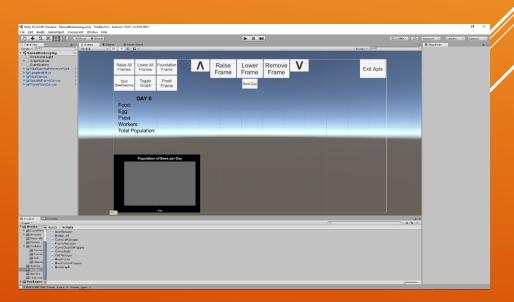


#### User Interface

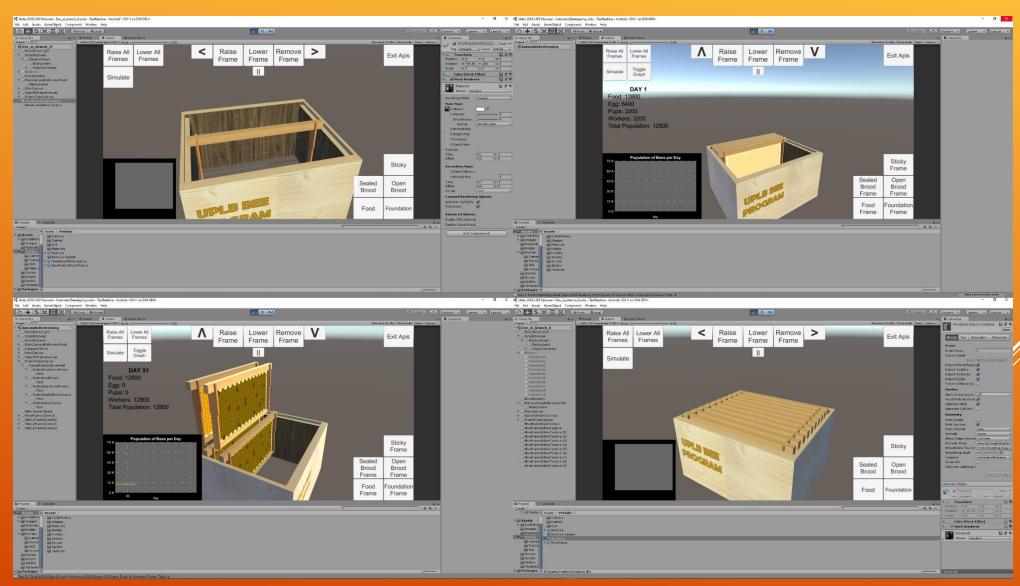




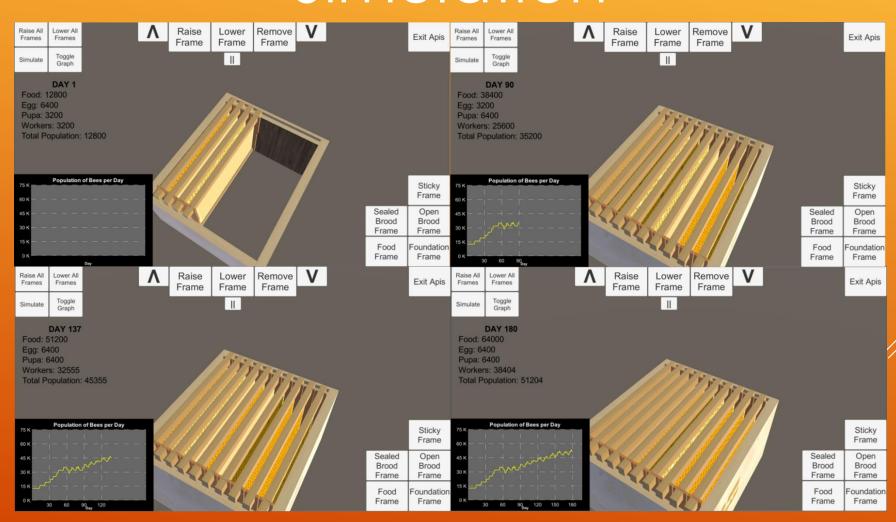




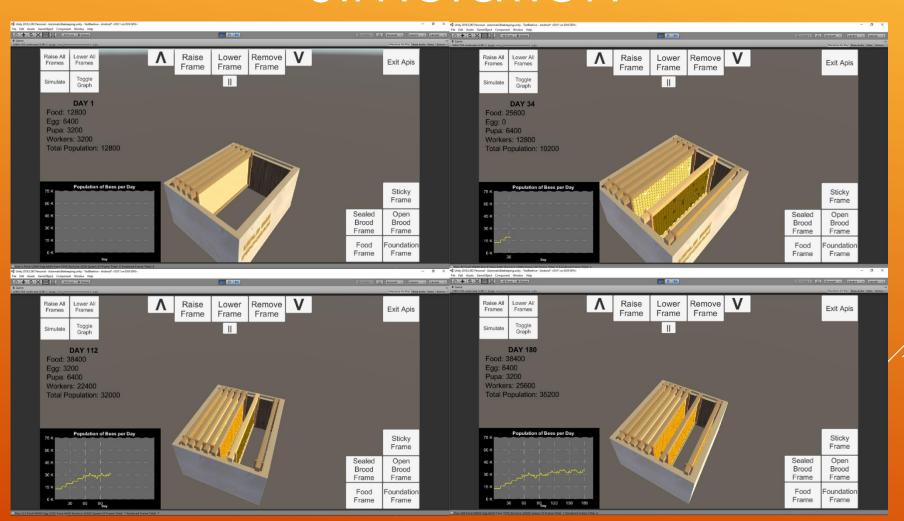
## Development using Unity



# Proper Beehive Management Simulation



# Improper Beehive Management Simulation



#### REFERENCES

Clarino, M. D. (2013). 3D seasonal beehive management simulation (undergraduate special problem). University of the Philippines Los Baños, Laguna, Philippines

Serrano, K. J. V. (2011). Computer simulation tool for the proper bee hive management training module (undergraduate special problem). University of the Philippines Los Baños, Laguna, Philippines.