



Kamikaze

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Overview

- Design swarm robots that help in advertising for ACME robotics.
- The idea is to use the drones to form shapes that will help in advertising.

Design Practices

- Agile Iterative process for software development.
- Language : C++14 or above.
- Developer-level documentation.
- Unit tests using Google test suite.
- GitHub for CI.
- Coveralls for code coverage.

System Design

- Spawn the drones in their home position.
- Calculate trajectory for each drone to their respective position in the swarm's final shape.
- Navigate the drones to their final position.

Project planning

- Class development : 11/28/22
- Review and Bug fixes : 11/30/22
- Unit Testing : 12/01/22
- Review and corrections : 12/05/22
- System Testing : 12/07/22
- Bug fixes : 12/08/22
- Final Release : 12/10/22