

## <<Struct>> - \_circles : vector Robot + \_robot : Robot + \_initVertices : std::vector<double> + \_currVertices : std::vector<double> + RobotSimulator() + \_x : double + ~RobotSimulator() + \_y:double + GetGoalCenterX() : double + \_theta : double + GetGoalCenterY(void) : double + GetGoalRadius(void) : double + GetRobotVertices(): std::vector<double> + GetObstacles(): std::vector<double> + ClosestPointOnObstacle(i : const int, x : const double, y : const double) : Point + GetRobotX(): double + GetRobotY(): double + GetRobotTheta(): double + HasRobotReachedGoal(): bool

InitializeRobot()

RobotSimulator