

AMazeActivity

Responsibilities:

- Displays Welcome Page
- Difficulty slider Allows selection of generation algorithm, file, manual or driver, with manual being default
- Starts the maze creation

Collaborators:

- MazeApplication
- Order
- GeneratingActivity

GeneratingActivity

Responsibilities

- Loading screen updates as percentage
- Back button to cancel and go back to menu page
- Sends to Playing States

Collaborators

- MazeController
- PlayManualActivity
- PlayAutoActivith

PlayManualActivity

Responsibilities

- Displays the maze
- Has different map toggles
- Arrow keys
- User manually plays through the maze
- Back button to go menu
- Finish button to go to Final State

Collaborators

- MazeController
- AMazeActivity
- FinishActivity
- GeneratingActivity

PlayAutoActivity

Responsibilities

- Displays the maze
- Has different map toggles
- User watches driver play through the maze
- Play/pause button
- If robot stops, send to finish
- Back button to go menu
- Finish button to go to Final State

Collaborators

- MazeController
- AMazeActivity
- FinishActivity
- GeneratingActivity
- Robot
- BasicRobot