

Project 4 – Katelyn Etemad

AMazeActivity

- Responsibilities:
 - Starting activity
 - Lets the user input skill level, builder, driver, or if they want to load a maze from a file
- Buttons revisit and explore both start the GeneratingActivity

GeneratingActivity

- Responsibilities:
 - Shows progress bar for generating the maze
- Back button will take the user back to the AMazeActivity

PlayManuallyActivity

- Responsibilities:
 - If the driver selected was “manual”, the GeneratingActivity will start this activity
 - Allows the user to navigate the robot through the maze through the use of four arrow button keys
 - Has options to show the maze, solution, and walls
- Back button will take the user back to the AMazeActivity

PlayAnimationActivity

- Responsibilities:
 - If the driver selected was “WallFollower” or “Wizard”, the GeneratingActivity will start this activity
 - Allows the user to watch the robot guide itself out of the maze
 - Has two buttons start and pause to start the animation and pause the animation
 - Has options to show the maze, solution, and walls
- Back button will take the user back to the AMazeActivity

FinishActivity

- Final display page that can be started by either the PlayManuallyActivity or the PlayAnimationActivity
- Has a button “play again” that allows the user to go back to the AMazeActivity page to start a new maze
- Back button will take the user back to the AMazeActivity