

Title.class / content_amaze.xml

Responsibilities <ul style="list-style-type: none"> • Displays welcome message • Gets skill level from user and sends to Generating class • Gets maze generator type from user and sends to Generating class • Gets maze driver from user and sends to Generating class • Gives option to revisit or explore • Redirects to Generating screen if explore • Checks if there are saved mazes when redirect button is pressed • If there are saved mazes, redirect to Play_previous class • If there are no saved mazes, redirect to Generating screen 	Collaborators <ul style="list-style-type: none"> • None
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Generating.class / generating_amaze.xml

<ul style="list-style-type: none"> • Generates maze accordingly to the user's input • Redirects to Play_robot class if maze driver is wall follower • Redirects to Play class if maze driver is manual • Receives and displays the progress information in % form • Display back button to go back to Title screen • Sends the generated maze to Play/Play_robot classes when progress reaches 100% • Saves the maze 	<ul style="list-style-type: none"> • Receives skill level from Title class • Receives maze driver from Title class • Receives maze generation type from Title class • Receives progress information from maze.java
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Finish.class / finish_amaze.xml

<ul style="list-style-type: none"> • Displays congratulation message • Redirects to the Title page if user chooses to play again • Displays path length 	<ul style="list-style-type: none"> • Knows pathlength from Play class
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Play.class / play_amaze.xml

<ul style="list-style-type: none"> • Gives option to show walls • Gives option to show full maze • Gives option to show solutions • Displays maze • Displays navigation buttons • Redirects to Finish class when the user reaches the exit • Calculates path length • Displays shortcut button (for proj 4) to Finish page • Displays back button to Title page 	<ul style="list-style-type: none"> • Receives maze from Generating class
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Play_robot.class / play_robot_amaze.xml

<ul style="list-style-type: none"> • Gives option to show walls • Gives option to show full maze • Gives option to show solutions • Displays maze • Displays navigation buttons (no function) • Redirects to Finish class when the robot reaches the exit • Calculates path length • Displays shortcut button (for proj 4) to Finish page • Displays back button to Title page • Gives option to pause • Robot moves to the exit using wallfollower method 	<ul style="list-style-type: none"> • Receives maze from Generating class
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Play_previous.class / play_previous_amaze.xml

<ul style="list-style-type: none"> • Opens previously saved maze • Gives option to show walls • Gives option to show full maze • Gives option to show solutions • Displays maze • Displays navigation buttons (no function) • Redirects to Finish class when the robot reaches the exit • Calculates path length • Displays shortcut button (for proj 4) to Finish page • Displays back button to Title page 	<ul style="list-style-type: none"> • Requests and retrieves a previously saved maze from a Generating class
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