

Final Project Demo

INTRODUCTION TO PROGRAMMING II

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List of Classes

- Map
 - *enum* Directions
- Pacman
- Ghost
 - *enum* GhostStatus
 - GhostRed
 - GhostBlue
 - GhostPink
 - GhostOrange
- Scene
 - SceneMenu
 - Button
 - SceneSetting
 - SceneMain
 - SceneEnd

Map

- wallnum : int
- beansCount : int
- + row_num : int
- + col_num : int
- + beansNum : int
- + map : char **

- draw_cherry(int, int) : void
- draw_strawberry(int, int) : void
- draw_block_index(int, int) : void
- draw_bean(int, int) : void
- draw_power_bean(int, int) : void
- + Map(char *)
- + ~Map()
- + draw() : void
- + shortest_path_direc(int, int, int, int) : Directions
- + is_wall_block(int, int) : bool
- + is_room_block(int, int) : bool
- + is_wall_point(float, float) : bool
- + is_room_point(float, float) : bool

Pacman

- imgdata : bitmapdata
- color : int
- powerUp : bool
- move_sprite : ALLEGRO_BITMAP *
- die_sprite : ALLEGRO_BITMAP *
- + objData : object
- + speed : int
- + death_anim_counter : ALLEGRO_TIMER *

- movable(Map *, Directions) : bool
- + Pacman()
- + ~Pacman()
- + draw() : void
- + move(Map *) : void
- + eatItem(char) : void
- + NextMove(Directions) : void
- + die() : void



