CPSC 386 Project Four: Super Mario Brothers – World Levels 1 and 2 due 30 Oct (-01), 1 Nov (-02) at beginning of class Your name: Allen Mrazek, Areg Tevanyan, Mitchell Norseth -- Team 'Mission: Find Luigi' Repository: https://github.com/ amrazek / 386-super-mario Not **Finished** Verify each of the following items and place a checkmark in the correct column. **Finished** Each item incorrectly marked will incur a 5% penalty on the assignment's grade. \square Overall, game has look and feel of original Super Mario 1985 game (see UTA website). There are 2 world levels, each with 4 sub-levels. The world levels and sub-levels match those X shown on the UTA website, and are described in the beginning of this project. Levels pan sideways as Mario moves through them, revealing portions of the level to pass |X|through, and enemies and obstacles to overcome. Mario is implemented so he can walk, run, jump, crouch, slide, or through fire-balls as he moves $|\mathsf{X}|$ through sub-levels. |X|Mario moves to next sub-level when he makes it alive through a sub-level in the time allocated. |X|Mario moves to the next world level if he makes it alive through all four sub-levels. $|\mathbf{x}|$ Mario can jump, and can jump higher if he jumps while still in the air. X Super Mario can break bricks with his head (or force coins and mushrooms out). Fire Mario can throw fireballs at enemies to destroy them. (Super Mario becomes Fire Mario if he \square touches a fire flower). \square Mario becomes Super Mario if he touches a power-up mushroom. Super Mario becomes Invincible Mario if he touches a Power star. When invincible, he can run $|\mathbf{x}|$ through any enemy without damage. He can only do this for a limited time. |X|Mario can collect coins as he moves, and can gain lives if he collects enough. Enemies and obstacles oppose Mario as he moves (Koopas, Goombas, Cheep-cheeps, fire- $|\mathbf{x}|$ balls, firebars, bloobers, and man-eating plants). If Mario touches an enemy when he is Super Mario, he will transform back to Mario. If he |X|touches one when he is Mario, he will lose a life. $|\mathbf{x}|$ Mario is animated as he moves, and is animated when he transforms. Enemies have a simple animation (usually 2-4 frames). Mario has a more complex, 6-8 frame \square animation. Mario, his alter-egos, the level items, and his enemies are all created using a pixel editor (such \square as Gimp or Inkscape), or are downloaded from a Sprite sheet. If downloaded, appropriate credit must be given. The Python code is object-oriented, and shows good overall game design. No issues are shown $|\mathsf{X}|$ in any file in PyCharm (all source files pass PEP 8). Project directory has been pushed using a GitHub client, not by manually dragging-and-dropping |X|files onto the GitHub web page. Comments: World 2 missing. Missing enemies: Cheep-cheeps, bloobers Movement with arrow keys. Spacebar to jump. Shift to dash or throw.

Project Four: Super Mario Brothers: World Levels 1 and 2 page 5 of 5