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Slide 4

Slide 1

Slide 2

Game Elements

- Playing field "screens" (two-dimensional grids of "blocks" can have many kinds).
- "Player" character controlled by user input.

• Quiz solution available on Web.

• Info about tools coming soon.

- Other "game entities" controlled by program.
- Menu bar; "game status panels" showing other info (e.g., score).
- Player and other entities each have "location" in terms of screen and coordinates within screen; coordinates based on "graphics convention".
- Screen maintains a list of entities on that screen.
- Global "priority queue" of all entities.

Overview of Homeworks • Homework 2 — set up "playing field" (screen and block classes, game setup). Replace BasicScreen and BasicBlock with your classes. • Homework 3 - start defining player, how it responds to user input and interacts with blocks. Replace BasicPlayer with your class. • Homework 4 — start defining other entities, how they interact with player. • Homework 5 - continue defining other entities, how they move and interact with blocks. • Homework 6 — define something using GUI classes (game status panel(s) or menu items). • Homework 7 - compare different implementations of key data structure. • Homework 8 — finish game.

CSCI 1321

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September 23, 2003





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September 23, 2003

Minute Essay

- Write code to define an array of four Strings and fill it with data of your choice.
- Write code to define a two-by-three array of int and set each element to the sum of its row and column.

Slide 9