

Kurt Larson

Jordan Hofker

Michael Guthmann

David Kim

Online Battlemat System

Overview

- Problem
- Conceptual Model
- Preliminary Interface Design
- Scenarios / Storyboard
- Questions?

Problem

- No online battlemat system

“Though we live in a connected age, many popular pastimes have not migrated into the digital realm. One of these pastimes is Dungeons & Dragons (D&D), a traditionally “pencil and paper” game played with specific tools like the battlemat and miniatures. A lack of digital versions of these tools leaves no way to play D&D with people who aren’t in the same city.”

Conceptual Model

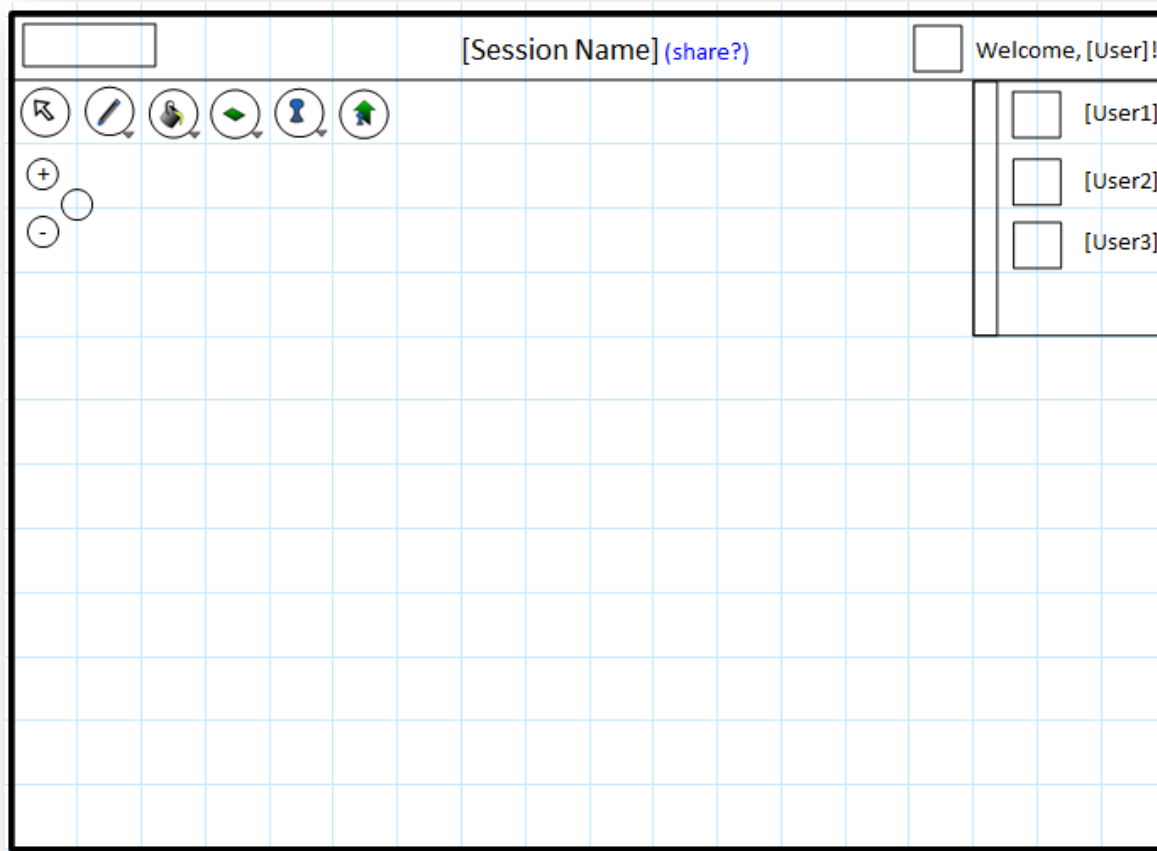
- Metaphors
 - Battlemat
 - Online Games
 - Computer Drawing Programs
- Concepts
 - Battlemat Surface
 - Character Tokens
 - Drawing Lines and Shapes
 - Game Sessions
 - Users
 - Drawing Program Tools

Conceptual Model (cont.)

- Relationships
 - Users host or join game sessions
 - Users draw on the battlemat
 - Tokens are placed and moved on the battlemat
 - Drawing tools are used for manipulating the battlemat, tokens, and drawing
- Mappings
 - Digital battlemat replaces a physical battlemat
 - Tool icons represent the physical tools that are normally used

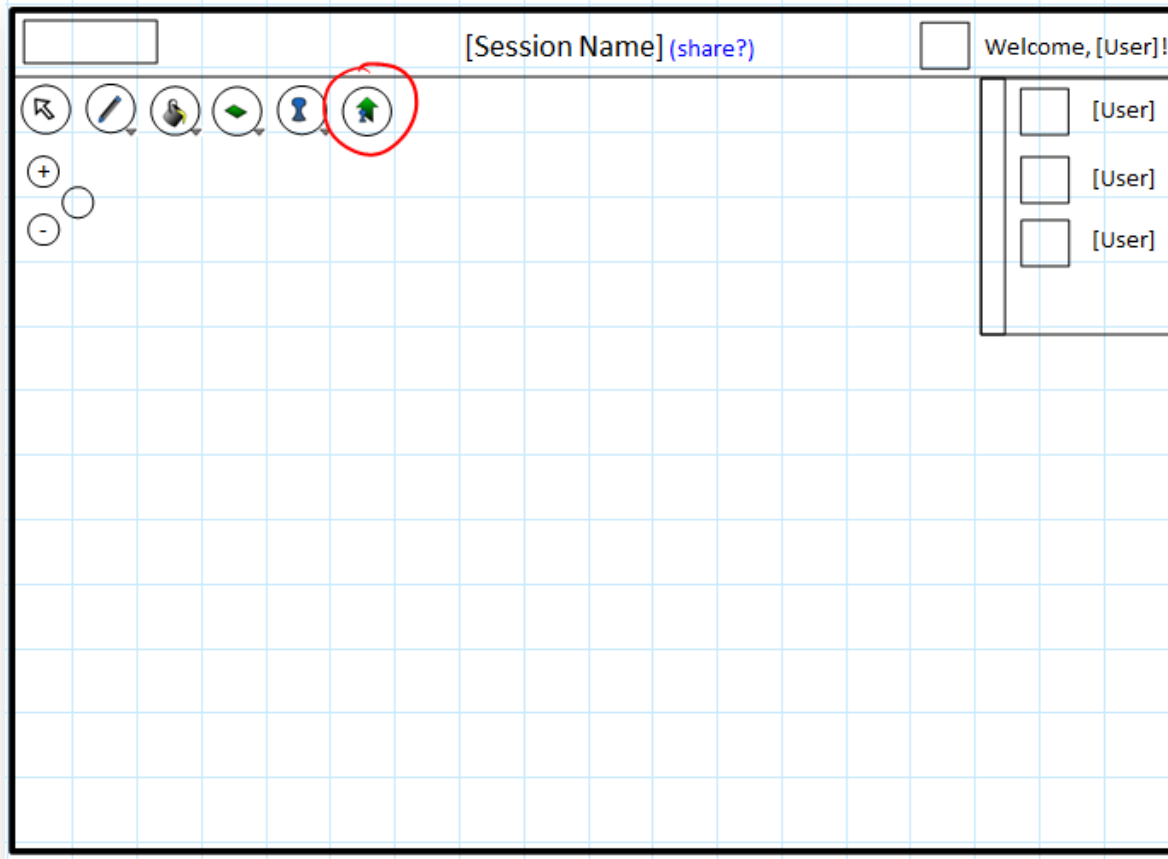
Preliminary Interface

- Interface



User Uploads Token

- User clicks "Upload Token" button



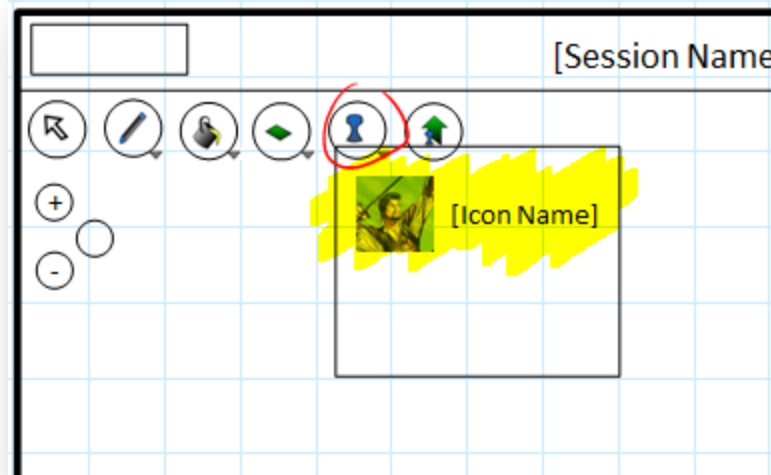
User Uploads Token (cont.)

- User browses to image file
- Fills in description
- Clicks "Upload"

The diagram illustrates a web application interface for uploading a token. The interface is set against a light blue grid background. At the top, there is a navigation bar with a session name "[Session Name] (share?)" and a user welcome message "Welcome, [User]!". Below the navigation bar, there is a toolbar with several icons: a magnifying glass, a pencil, a trash can, a green arrow, a blue key, and a green house. The main content area features a form titled "Upload Icon". This form contains two input fields: "Image File:" and "Description:". To the right of the "Image File:" field is a "Browse" button, which is circled in red and labeled with a red "1". Below the "Image File:" field is the "Description:" field, which is labeled with a red "2". To the right of the "Description:" field is an "Upload" button, which is circled in red and labeled with a red "3". On the right side of the interface, there is a sidebar with a list of users, each represented by a square icon and the text "[User]".

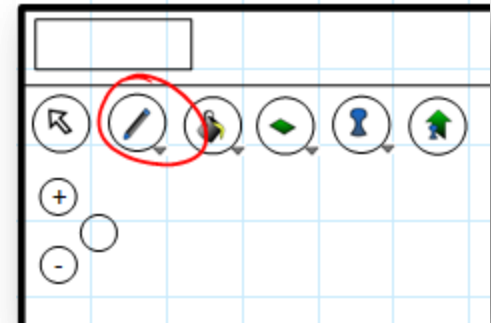
User Uploads Token (cont.)

- User sees the uploaded token in the Token button's dropdown.



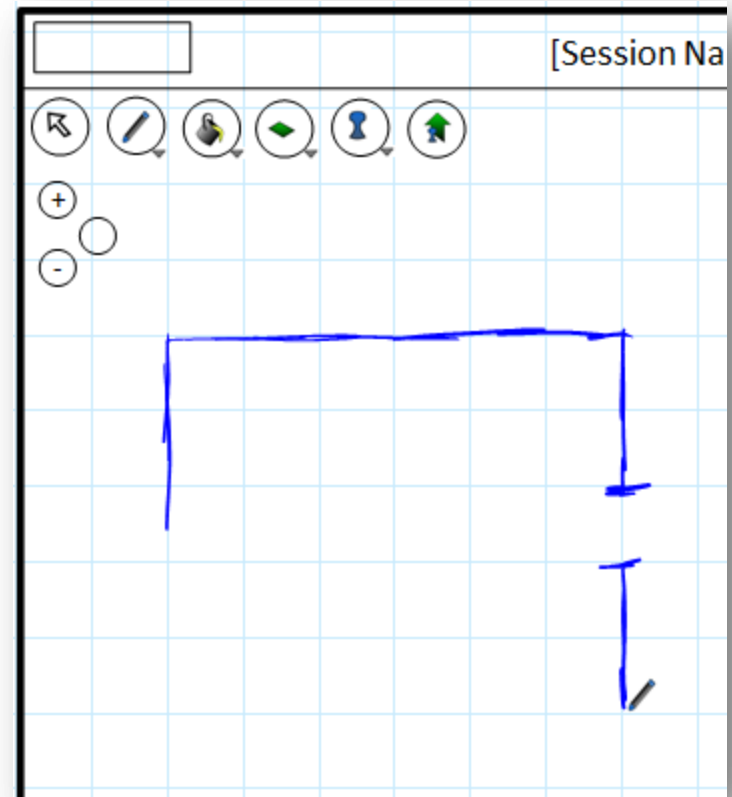
User Draws on Battlemat

- User selects Pen tool.



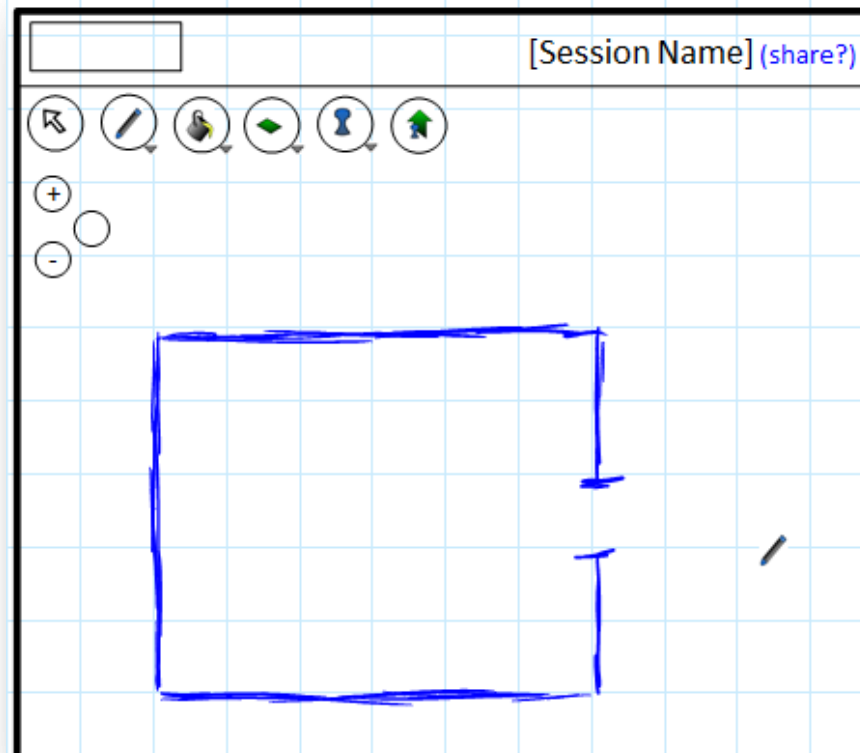
User Draws on Battlemat (cont.)

- User begins drawing on the battlemat.



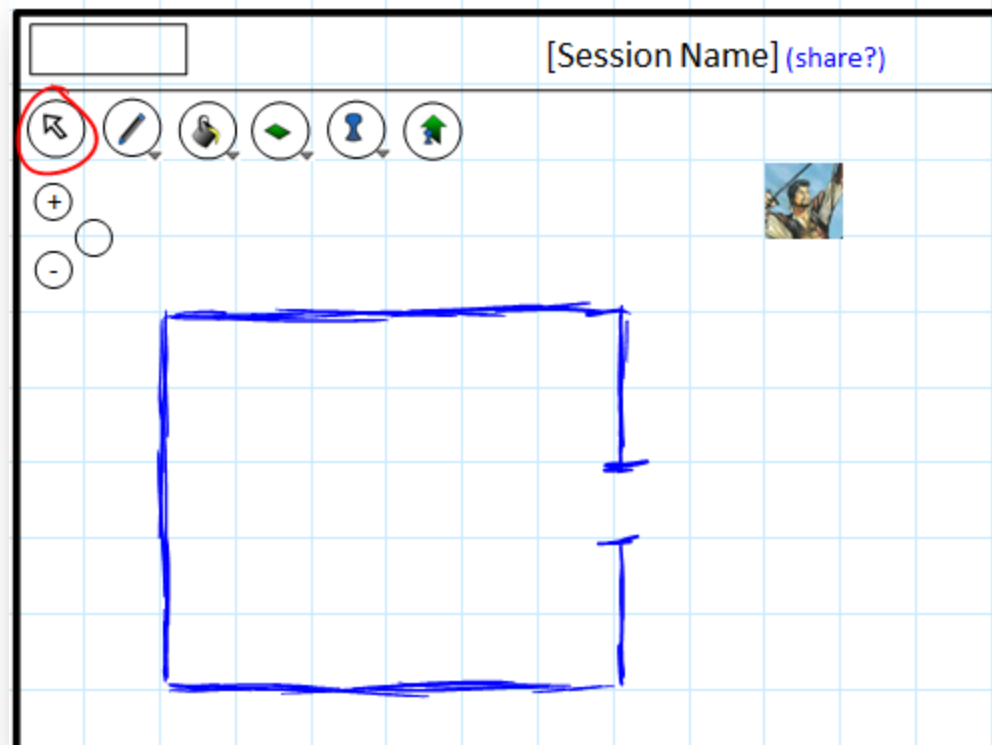
User Draws on Battlemat (cont.)

- User stops drawing.



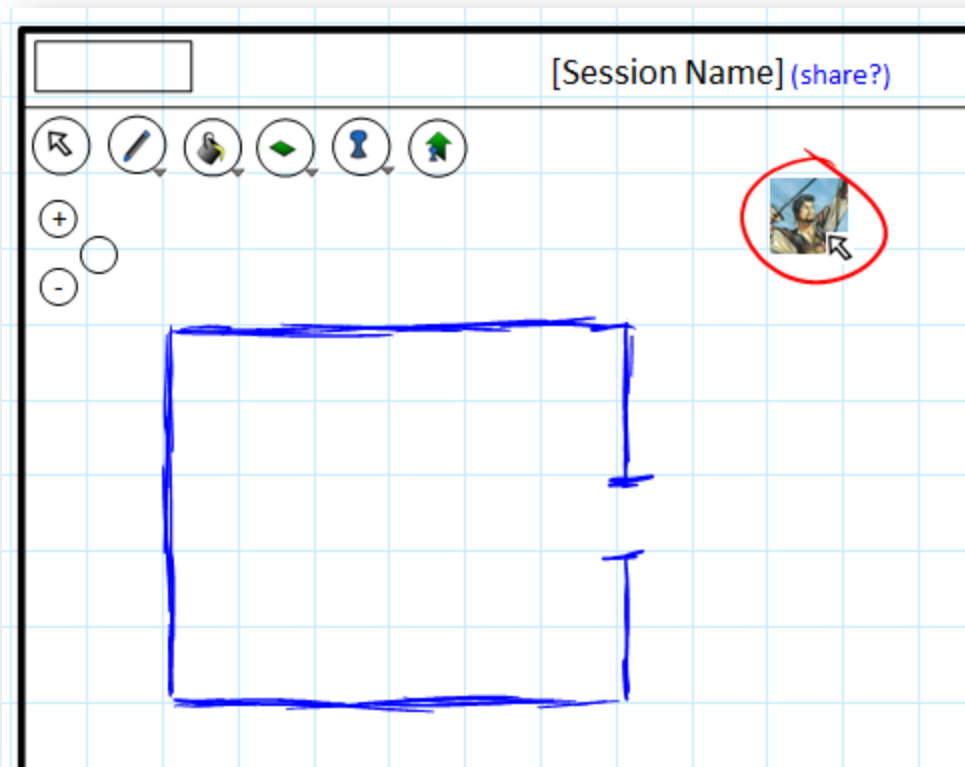
User Moves a Token

- User selects the Selection tool.



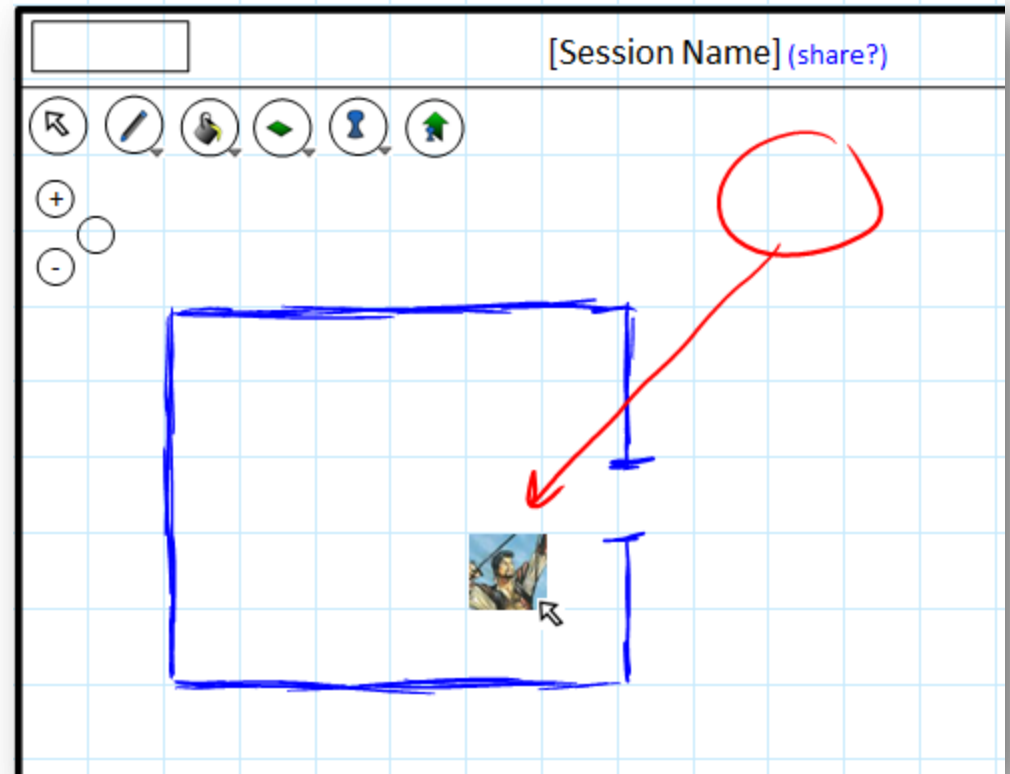
User Moves a Token (cont.)

- User clicks and holds on the desired token.



User Moves a Token (cont.)

- User drags the chosen Token to the desired location on the battlemat and releases the mouse button.



Questions?

