Clip Wars: Improving Video Search

What if you could search for video clips based on specific actors, actions, and themes?

Clip Wars: Improving Video Search

- People recognize images and emotion much better than computers.
- So how do we use people to improve video search?
- If we have people identify actions, people, and themes in video clips we can have a much more accurate search system.
- Thus we need an incentive for people to take their time and label these clips.
- Make it a game!

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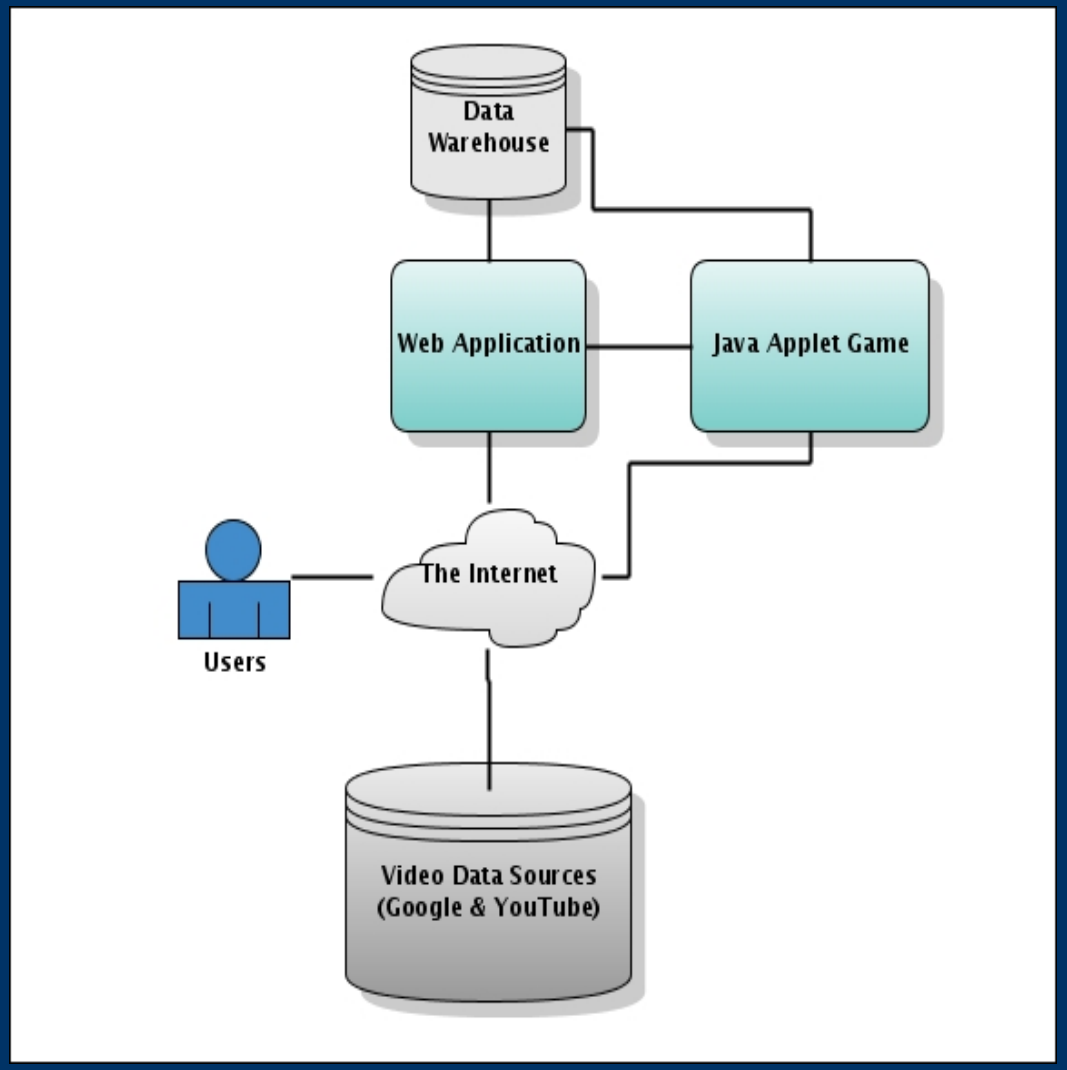
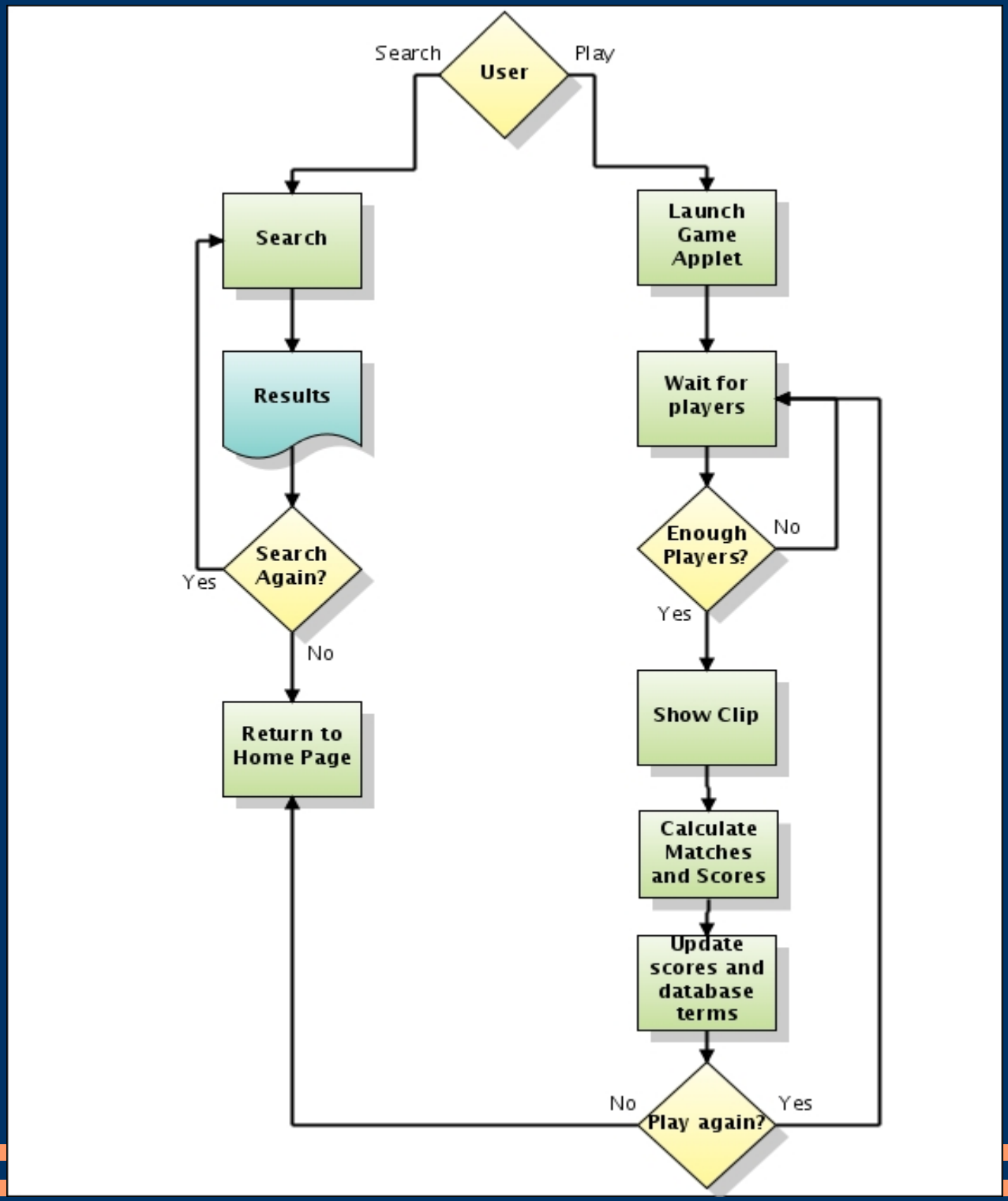
- Have more than one person watch the same video at the same time.
- During this time have each of the users writing down either a situation, actor, or a theme.
- If the descriptions they enter are matchable they gain points and the clip now has a new descriptor by which to search.
- Run a database behind the game to keep track of links to clips, keywords, and user scores.

Clip Wars: Improving Video Search

- Run the search functionality through a web application
- Run the game portion through a Java Applet
- Steal all of the content needed from Google and YouTube




User
Search
Play
Search
Results
Search Again?
Yes
No
Return to Home Page
Launch Game Applet
Wait for players
Enough Players?
No
Yes
Show Clip
Calculate Matches and Scores
Update scores and database terms
Play again?
No
Yes

Clip Wars: Improving Video Search

- Three main components
  - Database
  - Web Application
  - Java Applet
- Tools
  - JSP
  - Tapestry
  - SQL Server
- Risks
  - Can Java even handle video?
  - How much bandwidth/ How big are the video clips?
  - Can all of this come together within 2 months?