CS 3200 Project Proposal

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Description	A web game à la picbreeder (http://picbreeder.org), in which users select from a randomised human face structure (stored as a series of points in 2 or 3 dimensions). Slight modifications to each new "generation" of faces compounds to yield major changes over the course of many generations / selection cycles.
Storage	neo4j (NoSQL Graph Database)
Software & Libraries	Haskell, Hasbolt (Haskell framework for neo4j), Scotty (Haskell web framework)
Requirements	Cross-platform, requires Haskell Platform and a locally running neo4j instance.
Domain Interest	We are interested in this domain because it combines interesting image generation, web development, 2/3D vector transformations, graph operations, and an interactive product. Picbreeder also has interesting applications in the realm of AI.