

The background is a dark blue gradient with a pattern of white and light blue hexagons. Some hexagons are solid, while others are outlined. A network of thin white lines connects various points, some of which are marked with small light blue dots. The overall effect is a complex, crystalline geometric structure.

Tower to Heaven

By Ali Alzarra and Mohammad Alsaad



IDEA

Tower to Heaven is a simple browser clicker game where you click to build a tower, purchase upgrades to build higher and try to reach heaven (which you can't)





Specifications/Requirements

- **Project is a web-application (game in a website)**
- **Internet (online application)**
- **Browser (any)**
- **A game with no end**
- **navigation way (mouse, keyboard, pen, touch)**
- **Ability to save through a database**
 - **Also load the game when come back.**

FUNCTIONAL & NON-FUNCTIONAL REQUIREMENTS

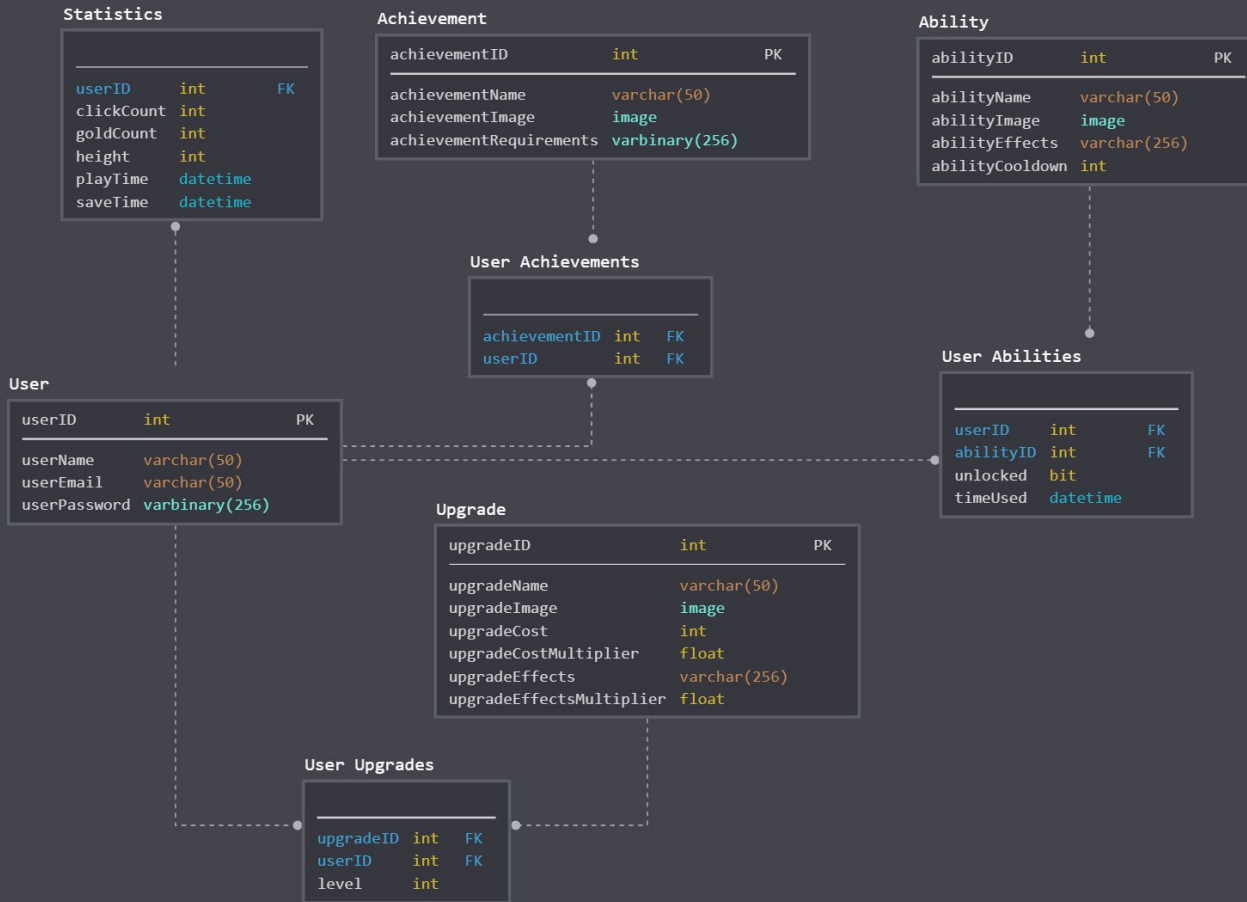
FUNCTIONAL:

- Clicking to Progress
- Purchasing Upgrades
- Use timed Abilities
- Register to Save
- Login to retrieve Save
- Reset Password
- Edit/Delete Account
- Leaderboard
- Achievements




NON-FUNCTIONAL:

- Easy to use
- Work on all Browsers
- Fast page load (3 seconds)
- Auto-Save feature
- Resolution Scalability
- Track user statistics
- Password encryption
- Displaying meaningful error messages when needed

Database Diagram



The diagram shows a 5x5 grid. In the center, there is a pyramid of squares. The pyramid has 5 squares in the bottom row, 4 in the second row, 3 in the third row, 2 in the fourth row, and 1 in the fifth row. To the right of the grid, there is a vertical scale. The scale has a horizontal line at the top labeled '2m' and a horizontal line at the bottom labeled '0m'. A vertical line connects these two points. A small square is positioned on the vertical line at the 1m mark, with a horizontal line extending to the right from its center. The text '1m' is placed to the left of this small square. To the right of the vertical line, there is a list of six 'Upgrade' buttons. Each button contains the text 'Upgrade' and 'Cost: \$\$\$ | Upgrades this x'.

Statistics	Trophies
Clicks 703	
Upgrades 17	
Gold spent 10316	
Jewel spent 6	

Registration Page

Sign in Sign up

User Name

Password

Enter

Sign in Sing Up

User Name

Email

Password

Sign Up

Important Dates

Semester Start

Learning Databases and designing the game

AUG

OCT 15th

51 Days

DEC 5th

FEB

Presentation 1 (NOW)

Have our game and database designing complete and begin implementation.

Presentation 2

Have the basics of the game done and ability to communicate with the database.
Continue implementation

Future

Complete Implementation.
Test and prepare for release.

Expected Release: April 2020

Timeline

Week	Applying	Est Time
Week 7	<ul style="list-style-type: none"> • Presentation • Documents change and agreements 	presentation: 10 mins Doc: 10 hrs
Week 8	<ul style="list-style-type: none"> • Building Database • Building Skeleton 	Database : 5 hrs Webpages: 5 hrs
Week 9	<ul style="list-style-type: none"> • Building the game 	game: 20 hrs
Week 10	<ul style="list-style-type: none"> • Continue on building the game 	game: 20 hrs
Week 11	<ul style="list-style-type: none"> • Connect to the server • Procedures 	server: 10 hrs procedures: 7 hrs
Week 12	<ul style="list-style-type: none"> • Testing • Fixing 	testing: 5 hrs fixing: 3-20 hrs
Week 13	<ul style="list-style-type: none"> • Make it pretty • Security 	design: 20 hrs security: 5 hrs
Week 14	<ul style="list-style-type: none"> • Feedbacks • changes 	Feedback: 20 hrs changes: 5-20 hrs
Week 15	<ul style="list-style-type: none"> • Presentation 	
Week 16	<ul style="list-style-type: none"> • Final week (The Stress Awakens) 	



THANKS