158.256 Web Application Design

Lab Practical 1 (35 marks) The Harpe Gaming Store Website

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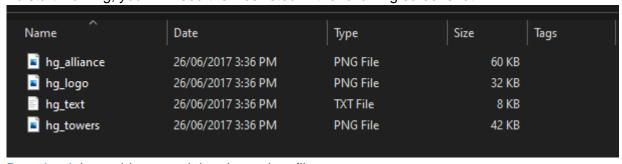
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Problem Scenario

Samantha Goro is the owner of Harpe Gaming, a small board game store in Palmerston North, Manawatu. You have been asked to work on the store's new website, Samantha wants you to write the HTML5 code for the store's home page. Samantha also publishes reviews of new games as a service to her loyal customers. She would also like you to write the HTML5 code for two new reviews that she has written for the Towers and Temple game and the Alliance game. Samantha has already written all the content for the three pages and only requires your help to turn them into HTML5 documents.

Data Files for this Problem Scenario

To start working, you will need the files listed in the following screenshot:



Download the archive containing these data files.

The Final Web Pages

When the coding of your web pages are complete, your web pages should look like those appearing in the following screenshots which make up the solution by the lecturer.

The website may not look very nice but this is a great start to learning how to create a web page. Later in the course, you will learn how to design better looking web pages.

index.html



- Home • Towers and Temples
- Δ1liance

Welcome to Harpe Gaming. We have a simple philosophy. It has three main points:

- Unplug
- Interact
- Reconnect

And that's it. We believe that the best games are the ones that bring people together through *shared experiences*. With all due respect to our video gamer friends, you can't always get that from a computer screen. Sometimes you need the intimate approach of sitting face-to-face around a common table with the soda and chips at your elbow.

We are a local board and card game store located in the heart of Morgantown near the campus. We carry hundreds of games and puzzles, including educational games, family games, card games, historical simulations, role-playing games, and so much more. If you remember a great game from your youth, we probably have it in our antiques collection. If we don't, we know where we can get it.

We're more than just a place to buy games. We celebrate gaming and the company of good friends. Our game room is free for all to us. Sit down, pick out a game from our demo library and start playing. We sponsor tournaments, challenges, and special social events. You'll always find a game.

We're always on the lookout for the best new games. We publish periodic reviews of new titles. Just out our reviews of <u>Towers and Temples</u> and <u>Alliance</u>; both new this month at Harpe Gaming.

Questions? Contact us at: sgreer@example.com/harpe or call us at: (304) 555-7120

Harpe Gaming ♣ 785 Chester Avenue ♣ Morgantown, WV 26502

hg_towers.html



Home
 Towers and Temples
 Alliance



Review of Towers and Temples

Game ID bg210 List Price \$17.73 Media Board Game Release Date October 21, 2017

Players 2 - 8

Time 30 - 60 minutes

Rule an Ancient City

Towers and Temples is the winner of the 2017 Palmer Medal for Best New Simulation Board Game. Players adopt role cards of characters from ancient Greece and Rome in an attempt to manage the administration of a city. Each role provides a different ability and strategy. However, one role card belongs to a deadly assassin and players must be constantly aware of betrayal and double-cross. This card game provides a ton of enjoyment and can handle up to eight players and expansion packs available for larger parties.

his is a nicely balanced game, where each player must carefully choose his or her roles and the strategies can quickly change with the turn of a card. However the level of randomness is just right and cunning and resourcefulness can overcome bad luck (if given time.) I do no commend this game unless there are at least 4 players; less than that reduces the intrigue and some of the game appeal.

- Entertainment (8/10)
 Strategy (9/10)
 Innovation (7/10)
 Art Work (6/10)
 Community Enjoyment (10/10)
 Ease of Set Up (9/10)
 Play Again (10/10)
 OVERALL (8.43/10)

Highly Recommended

Board Game Review

Great Strategic Board Game

We tested Towers and Temples with everything from 2 to 6 players and we can strongly recommend the game. The different phases of the game are interesting and intriguing, from bluffing and stealing to site construction and planning. With the variety of cards and scenarios, no two games are ever quite the same. It's a great introduction to the world of strategic board games and role playing.

Rating: 5 / 5

Gamers Shop

An Incredible Game

The artwork on the cards and the board is excellent and one of the best around. As for play, this game offers lots of strategy, and there are tough decisions to make every turn. It's not only important to select the character that increases your chances for scoring, but also to anticipate the characters the opponents are likely to select, and then hedge against their availability. This causes a lot of unpredictability and deep strategic thinking. However, it can still be played at a more basic level for younger users.

We had a lot of fun with this game and rate it as Best in its Class. Highly recommended.

Rating: 10 / 10

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hg_alliance.html

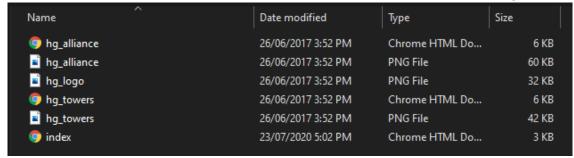


Your Tasks and Challenges

Do and complete the following as part of applying what you have learned in this topic (this is important for assignment 3 and the final examination - some exam questions may come from this practical work):

1. In your editor, create a folder named, 01-harpe-gaming and create the following blank files inside this folder: index.html, hg_towers.html, and hg_alliance.html

2. Copy into the folder all files, except hg_text.txt, from the data files archive that you downloaded above. Your folder must now show the files in the following screenshot:



- 3. The content of each of the 3 web pages is contained in the file hg_text.txt and you can find this inside the archive you downloaded above. *Take some time to review the contents of this file:*
 - a. The Harpe Gaming homepage will have a short introduction to the store and its philosophy and includes contact information for the interested customer.
 - b. The Towers and Temple page and the Alliance page have an overview of each game with the Harpe Gaming's rating and reviews from popular gaming magazines and websites.
 - c. Samantha has also supplied you with the hg_logo.png, hg_towers.png and hg_alliance.png files as images to be used on the Web pages.
 - d. You are free to supplement Samantha's materials with appropriate gaming materials of your own.
- 4. Once you are familiar with the content that needs to be inserted into the web pages, start creating the HTML5 code for each page.
 - a. For each file, insert the structure of the HTML5 document;
 - b. Include the following:
 - i. The opening doctype,
 - ii. html element,
 - iii. document head, and
 - iv. document body.
- 5. For the document head of each file, do the following (there are no style sheets for this lab practical work, so you do not have to include link to any style sheet files):
 - a. Insert a comment that includes your name and the date and the purpose of each Web page;
 - b. Insert metadata that sets the character encoding used in the file:
 - c. Insert metadata that specifies the page title; and
 - d. Insert a list of search keywords appropriate for the content of each file.
- 6. Within the document body,, insert a navigation list within a body header that has hypertext links to all three pages in this sample website.
- 7. Use the content of hg_text.txt to populate the content of the three Web pages. The HTML5 markup used in the three Web pages is up to you based on what you learned in this topic. In your Website, there should be at least one example of the following:
 - a. Sectioning elements, including the header, article, aside, section, and footer elements;
 - b. Grouping elements, including paragraphs, block quotes and lists;
 - c. Test-level elements used to mark single words or phrases from within a grouping element. Include at least one example of the strong element and the em element.
 - d. An inline image, including appropriate alternate text for the image.

- e. A character symbol inserted using its character name or encoding number;
- f. A hypertext link to:
 - i. An individual's e-mail address;
 - ii. A phone number;
 - iii. A website URL;
- 8. Save your changes to all your web pages and then open them in your browser.
 - a. Verify that the links work as expected when moving between the web pages in
 - i. the web site;
 - ii. When accessing your e-mail program;
 - iii. When accessing external links on the web.
 - b. If you have a telephony application on your computer, test that by clicking the phone link to open that application.
- 9. Now your work is complete.
 - a. Publish your website by uploading all the files into the appropriate folder on your course web site that is hosted by the University.
 - b. You must have received your hosting login account from Mario Codeniera and so you can use SFTP clients like FileZilla to upload your website.

Component	Total Marks
index.html created as per	10
requirements	
hg_towers.html created as per	10
requirements	
hg_alliance.html created as	10
per requirements	
Website published	5