


COMP2021 Spring 2014 Project List

Project id	Project Topic	Snapshot
1	6 Nimmt	<pre> =====ROUND10===== Your card: 1 2 3 4 5 6 7 8 9 55(7) 78(1) 64(1) 40(3) 89(1) 79(1) 71(1) 26(1) 19(1) Stack1:50(3) Stack2:31(1) 62(1) 73(1) 85(2) Stack3:33(5) 59(1) 65(2) Stack4:98(1) ===== Please enter the card you want to play: 1 Player2 collect all the cards and put 49 in stack1 Stack1:49(1) Stack2:31(1) 62(1) 73(1) 85(2) Stack3:33(5) 59(1) 65(2) Stack4:98(1) Player1 put 55 in stack1 Stack1:49(1) 55(7) Stack2:31(1) 62(1) 73(1) 85(2) Stack3:33(5) 59(1) 65(2) Stack4:98(1) End Game!!! Number of cow head of player 1 is 10 Number of cow head of player 2 is 12 The winner is player 1! </pre> <p>A popular card game '6 Nimmt' written in plain Perl. Single player vs. computer. Each card contains some cow heads, and the player try to have the least amount of cow heads.</p>
2	Snake Your Way	 <p>Inspired by popular 'greedy snake' game. Implemented by Perl and TK module. 2 players compete for the length of snakes with 'diamond' and 'bomb' feature.</p>

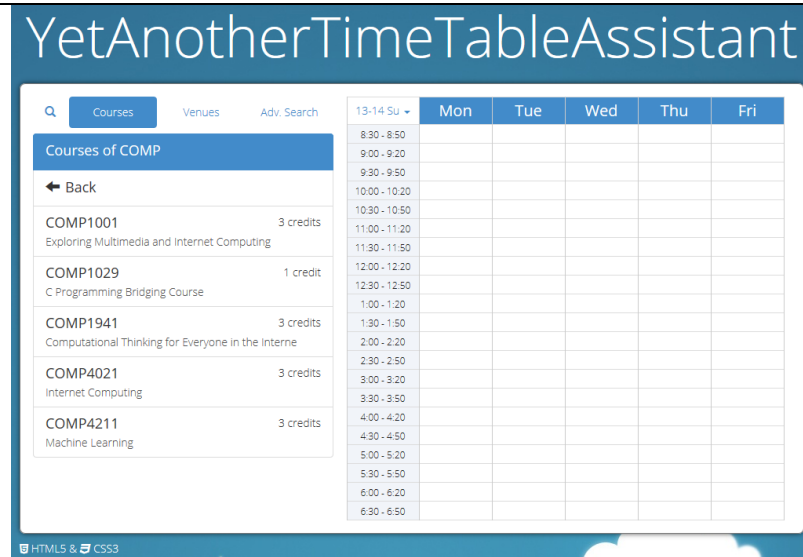
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Minesweeper

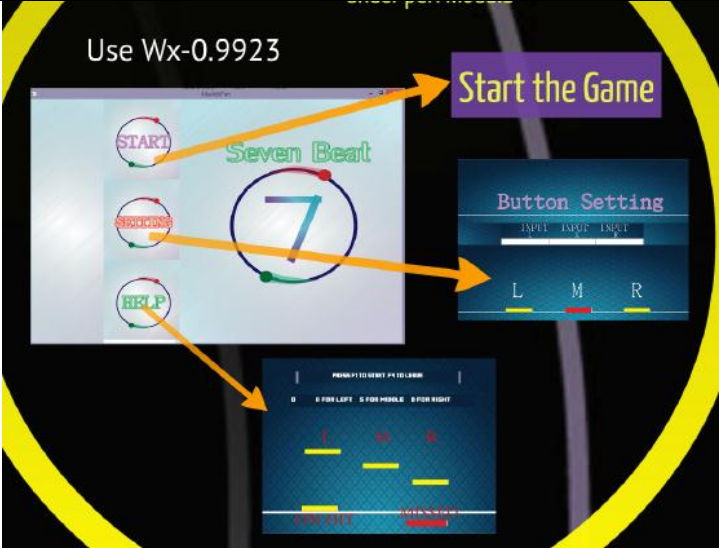
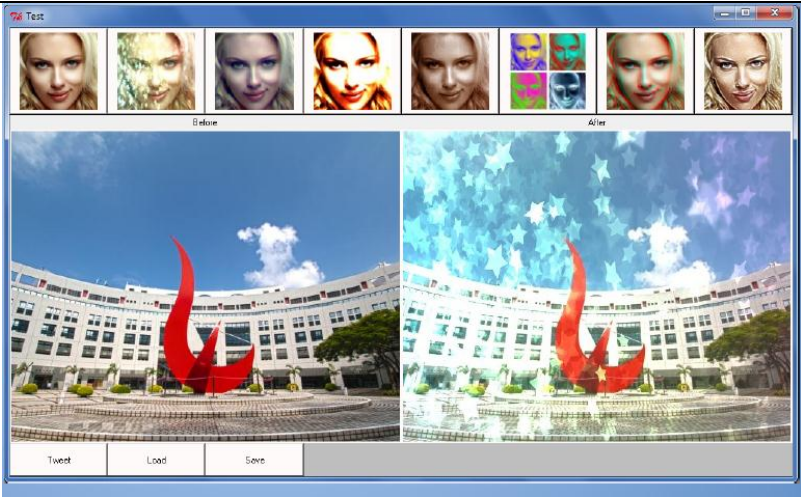


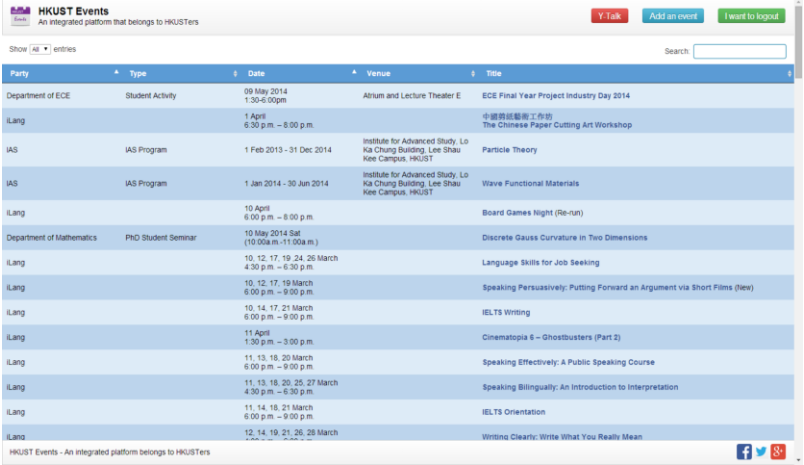
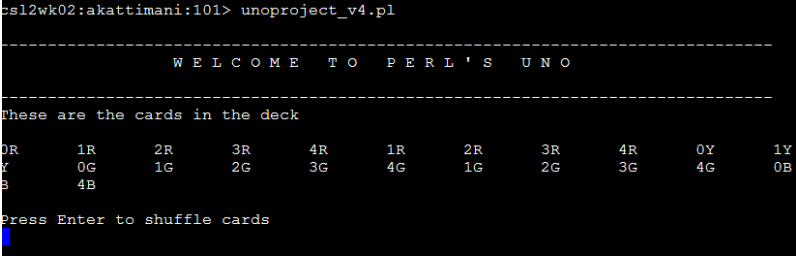

An online version of classic minesweeper game. Available at <http://ihome.ust.hk/~hzengaa/cgi-bin/minesweeper.pl>. Implemented with Perl, regular expression and CGI.

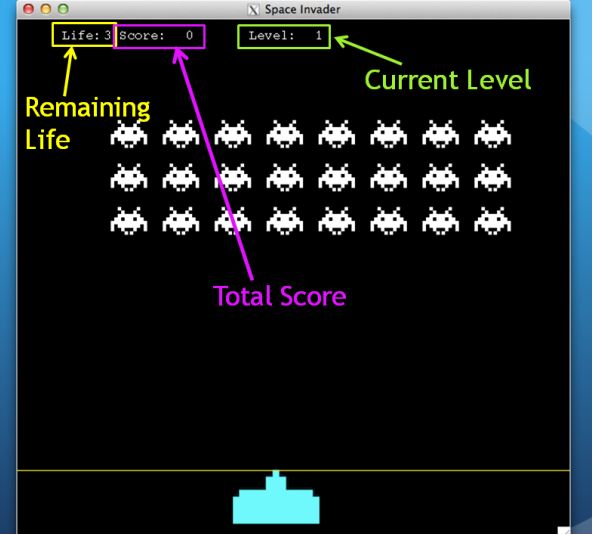
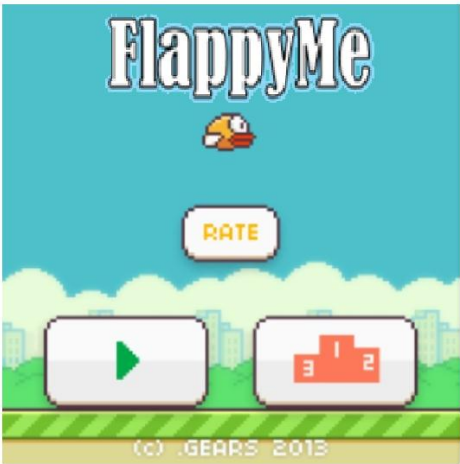
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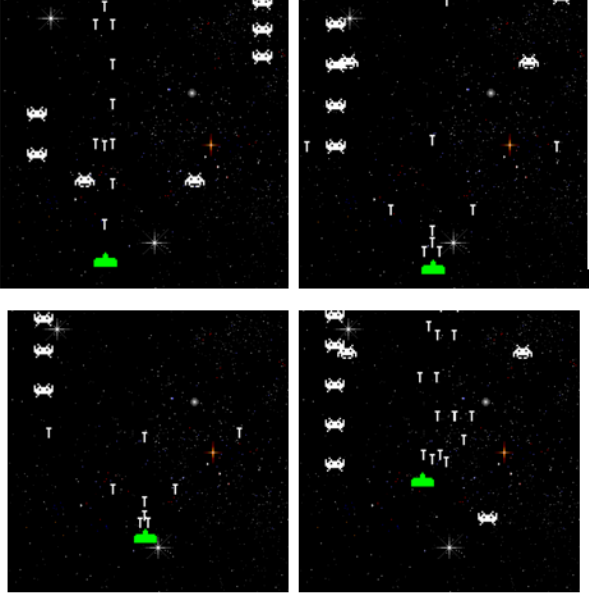
Yet Another
Timetable
Assistant

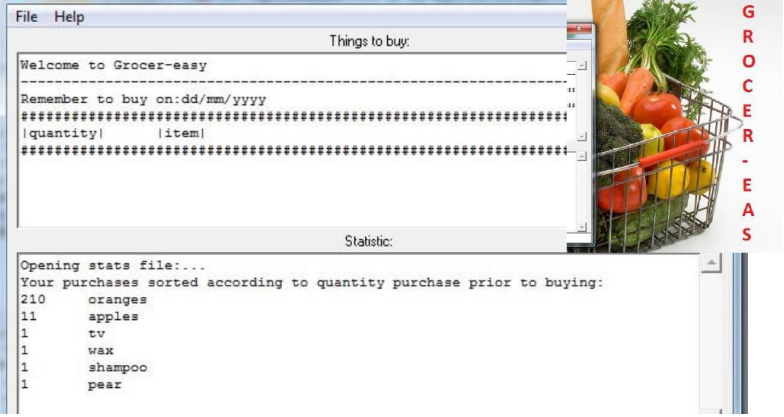
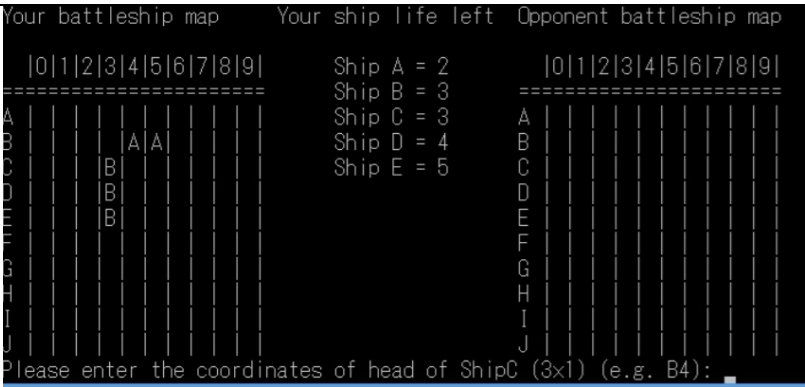
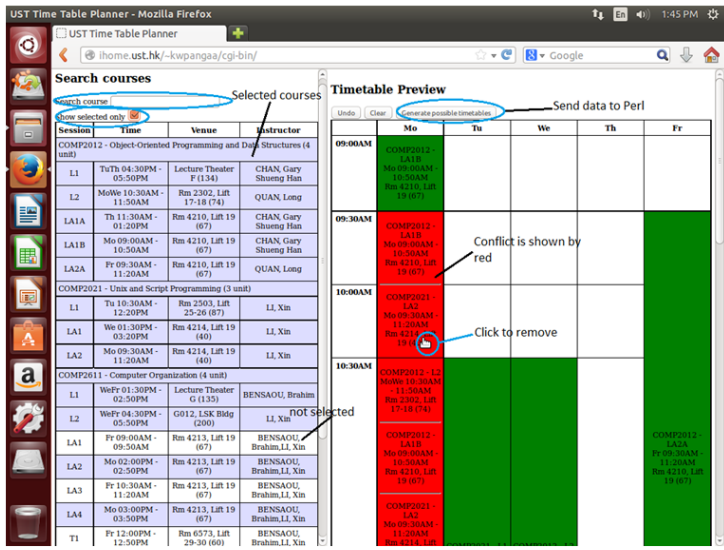
A user-friendly and powerful cross-web platforms timetable assistant with a fancy user interface, featured in arranging UST courses. Backend with PHP+MYSQL, frontend with massive of HTML5, CSS3 and JavaScript. Available on <http://yatta.no-ip.org/>

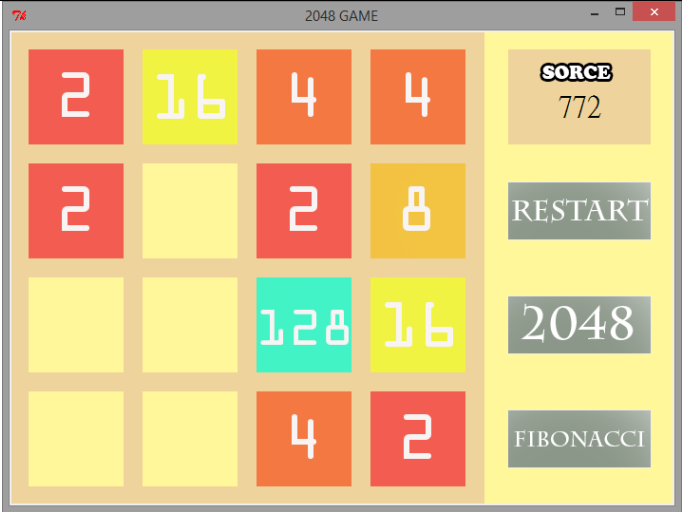
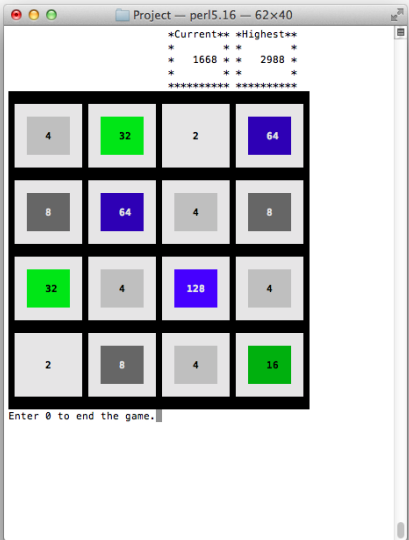
5	Rhythm Game	 <p>User hits keyboard as 'playing piano' as the music notes drop down. Implemented by MIDI-Perl-0.83.</p>
6	Perl Image Processor	 <p>Lightweight image processing application for one-click editing and sharing images on twitter. Implemented with Perl, C++, ImageMagick, tk and itk.</p>

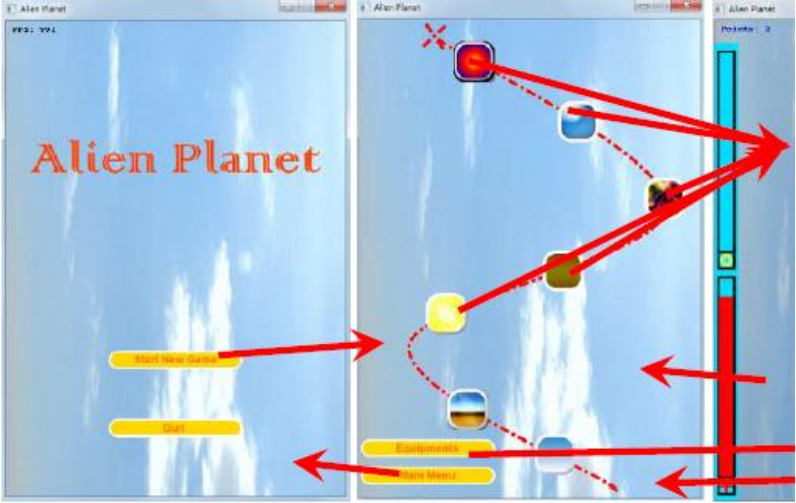
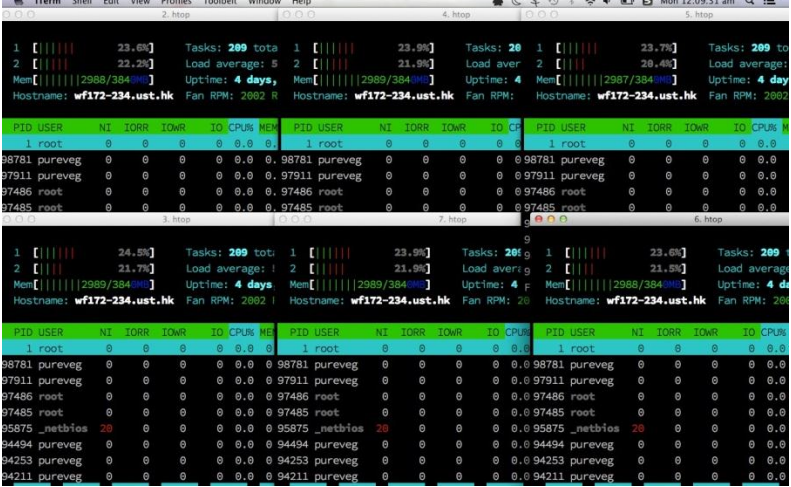
7	HKUST Events Assimilator	<div></div> <p>A unified source for viewing all the events taking place in HKUST. The project can be accessed at http://perl-faifai.rhcloud.com/ Implemented with Perl LWP modules (html downloading), Perl CGI and MySQL (login) and two JavaScript plugins, jQuery and DataTables (parse through the HTMLs of event pages of different department pages).</p>
8	UNO Game	<div></div> <p>A text version of popular UNO game. Implemented with simple Perl.</p>
9	Open Canteen	<div></div> <p>Inspired by 'openrice', a webpage of HKUST canteen food selection. Implemented by CGI to generate dynamic webpage.</p>

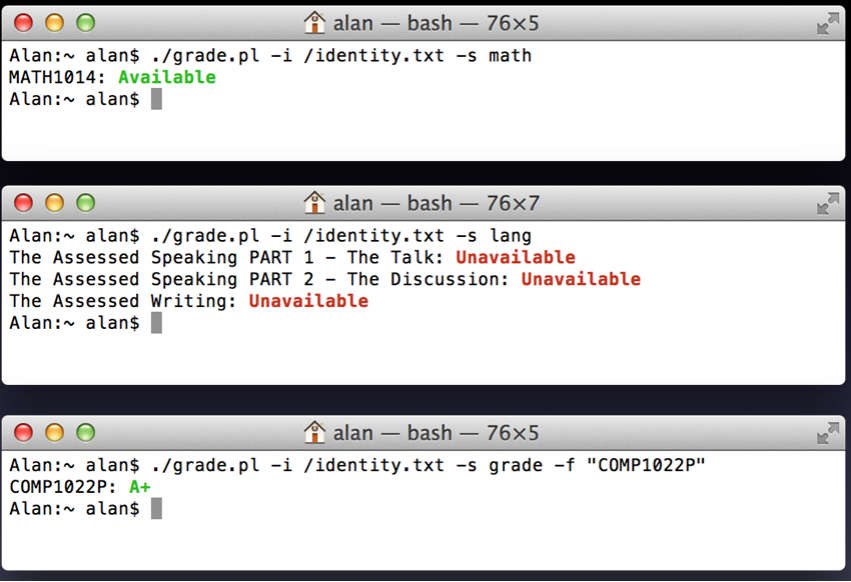
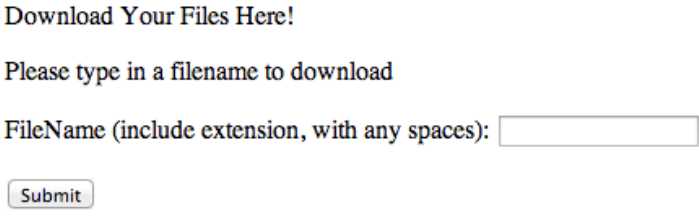

10	Classic Space Invaders	 <p>Classic space invader game with moving aliens. Developed with Perl Tk module.</p>
11	Flappy Me	 <p>Inspired by popular 'Flappy Bird' and developed with Perl SDL</p>

12	Rich Hero	 <p>Inspired by Monopoly series, the game is about four heroes fighting each other by weapon and money. Implemented with Perl SDL.</p>
13	2D Scroll Shooter Generator	 <p>A game generation engine that allows user to write a 'game script' and automatically generate a game for him.</p>

14	Grocery Easy	 <p>Use regular expression to understand user input and generate a shopping list</p>
15	Battleship Game	 <p>A command line battleship game, implemented with pure Perl.</p>
16	UST Timetable Planner	 <p>Practical timetable planner featured for UST courses. Perl LWP module download course information html, regular expression used to filter out</p>

		course information, Perl DBI and DBD module for course database, Javascript for web interface.
18	2048 Game	 <p>Popular 2048 game, with an additional Fibonacci mode. Implemented with Perl TK module.</p>
20	2048 Game	 <p>Popular 2048 game, with an additional Fibonacci mode. Video demos available: https://www.youtube.com/watch?v=C3p8dBsptn0 https://www.youtube.com/watch?v=Kga4yge7qKQ Written in perl and works in command line without using any GUI.</p>

21	Alien Planet	<div></div> <p>2D platform shooter game, with RPG adventure experience. Player can replay levels, and get equipment with random status to enhance the character. The game is implemented in Perl and SDL library.</p>
22	Automated Maintain Servers	<div></div> <p>Automatically maintain multiple servers. Server side implemented with golang, client side with Perl Sys-Statistics.</p>

23	Automated Gradebook Scraper	 <p>A Perl command line utility written for UST students to retrieve their grades from LMES, student center, LANG and MATH easily. Simulate a browser with Perl LWP module.</p>
24	Project Collaboration	 <p>Simple website with CGI forms to support data upload, sorting, and download</p>
26	HTML5 player-vs-player game server	

		<p>A game server that can support multiplayer gaming, as well as a chat room for players to pair up with each other. Features include: static HTML server, login/authentication, chat room and peer-2-peer gaming. Use Mojolicious as web framework.</p> <p>http://f-lf2.blogspot.hk/</p>
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