

Project: Singapore Lottery Ledger

Sunday, 24 September 2023 10:11 PM

Single page application with MongoDB and mobile app available

Plain Javascript, HTML and CSS for now. When project is completed, switch to ReactJS frontend

Login/Register screen

- Username, password with hash
- Has a dropdown of users to choose for each registered
- Select from the dropdown and enter your password

Main screen

- View for 4D and Toto
- Submit entries, for example, I choose type "Ordinary", "Quick Pick", "10 boards", "\$1", "Singapore Pools Woodlands Outlet" or another example, "System 7", "Self Pick", "2 boards", "\$14", (a system 7 cost \$7), "Singapore Pools Online", date of entry or for 4D: "Ordinary", "Self Pick", "1 board", "\$1 Small", "\$2 Big", "\$3"
- Calculate total money spent on 4D/Toto
- Calculate total money spent on both 4D and Toto
- Keep track of any winnings
- An editable section in the middle of page "Notes to self" that writes some notes, such as planning and whether I am overspending
- Save button that will save Notes and Entries
- Below section shows transaction history, for 4D, Toto, or All, default All. Apply pagination and display 20 rows per page.
- Each board of numbers regardless of 4D or Toto will show one row on this table. A row can contain the following: "4D", "Ordinary", "Quick Pick", \$1
- The last section is "Did I win?" whereby it would check if the number I entered wins a prize.
- For Toto, there will be 2 inputs, 1 for the winning number, another which would be multiple numbers I bought, to enter in the inputs. For example, winning number "1, 2, 3, 4, 5, 6, Additional 7", I bought 2 boards, so I enter each board of numbers. If matches 3, say "You win Group 7!", if match 6, say "You win Group 1!"
- For 4D, there will be multiple sections. Enter first prize number, enter second prize number, enter third prize number, each of these accepts only one entry. Then, for Starter prize numbers, there would be multiple, same goes for Consolation prize. I will have to enter all the board of numbers I have. It will then process and show "You have won nothing", or "You have won a Starter Prize" etc

Main screen updates

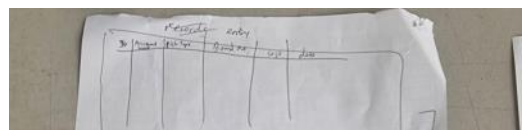
- Instead of just calculating total 4D and Toto, create a new section for "Today Total" for money spend today
- On entries of 4d and toto submissions in the table, there will now be a delete button to delete entry, and Total table will also update automatically
- Removed "Did I win?" section due to complexity, inconvenience of usage and not being very useful
- Replaced the section to "Current betslip", which allows uploading pictures and screenshots to Cloudinary. There will be a "Draw Over" button. When clicked, image gets renamed to "...over.jpg" or deleted from Cloudinary. If no images without the over word is found, show "You have not uploaded a betslip for upcoming draw!"
- In the backend, use MySQL first, then MongoDB

Task Tracker

- ✓ 1. Understanding and picturing ideas for system, features, design
- ✓ 2. Base html and css
- ✓ 3. Setup finish 4D and Toto entry sections
- ✓ 4. Setup finish Today's Entry table section with add entry, delete entry, cost calculator
- ✓ 5. Mobile responsiveness for entry section, today entry section
- ✓ 6. Nice success effect when added new entry
- ✓ 7. Total cost for today entries
- ✓ 8. Total money spent on bettings section
- ✓ 9. Total winnings section
- ✓ 10. Note to self section with pencil button
- ✓ 11. Pencil button changes to save button when editing
- ✓ 12. Purchase history section
- ✓ 13. Filter button for purchase history table
- ✓ 14. Favicon
- ✓ 15. Current betslip section
- ✓ 16. Footer with image
- ✓ 17. Orderable div to re order (Sortable JS)
- ✓ 18. Login and register pages
- ✓ 19. Login show list of current users
- ✓ 20. Clean up codes
- ✓ 21. Setup database and tables
- ✓ 22. Full stack user registration
- ✓ 23. Full stack user login (with middleware and displays a list of users for login)
- ✓ 24. Full stack user logout
- ✓ 25. Display list of users on login page
- ✓ 26. Save Today entries to database
- ✓ 27. Display all entries on Purchase History
- ✓ 28. Purchase history table updates on new entries, and can server delete entries
- ✓ 29. Display 20 rows on Purchase History, then add Pagination
- ✓ 30. Sort and Filter Purchase History
- ✓ 31. Total spending calculation from Purchase History
- ✓ 32. Get Notes, Send Notes to database, or update if exist
- ✓ 33. Winning section send new winning to database/delete from database
- ✓ 34. Winning section show winnings history
- ✓ 35. Orderable sections using Move button instead of whole section
- ✓ 36. Save section order preference
- ✓ 37. Short description of each sections
- ✓ 38. Remember to save Feature
- ✓ 39. Show/Hide sections content for easing ordering of sections
- ✓ 40. New game "Singapore Sweep"
- ✓ 41. Edit date for Purchase history table
- ✓ 42. Auto scroll to Purchase history table and highlight rows of new entries for 1 second
- ✓ 43. Full stack Current Betslip Section
- ✓ 44. Contact me (posting messages to database using a form found in footer)
- ✓ 45. Contact me with Gmail message
- ✓ 46. Switch to prod mysql database
- ✓ 47. Convert to mobile app with Cordova
- ✓ 48. Refresh page contents (simple refresh, neat button placement)
- ✓ 49. Server announcements(to everyone or specific users)
- ✓ 50. Fix bug such as delete table row, cant create temp folder, alert when more than 3 message sent, wrong date in email in prod, portrait image in betslips
- ✓ 51. Switch to JWT due to problems with express session cookie on cordova not set
- ✓ 52. Disable drag left(go to prev page)
- ✓ 53. Handle no internet connection screen with reconnect and no connection notice in middle of usage
- ✓ 54. In betslips section, has left and right to show got more images
- ✓ 55. Mobile - preload iframe contents
- ✓ 56. Bug fixes: betslip pagination, add winnings double alerts, no auto scroll to purchase history after submitting entries, no betslip pagination button after uploading new betslips, detect jwt expired, no data-id attribute after adding winnings and betslips, improve cordova interface, detect when app close to delete jwt token as well, handle broken url on mobile
- ✓ 57. Google Cloud's app engine keeps charging me, switch to FLO hosting
- ✓ 58. Instead of only one outlet, show "Others" option and allows user to key in a value
- ✓ 59. Cleanup codes again and give better naming conventions
- ✓ 60. Documentation
- 61. Convert to react frontend
- 62. Convert to PHP backend

What to do today?

- ✓ 1. Bug 1 : Fix sortable table
- ✓ 2. Bug 2: fix wrong table calculations
- ✓ 3. Convert to mobile app with Cordova
- ✓ 4. Side project to learn about Electron (web app to desktop EXE)
- 5. Side project to learn node on android
- ✓ 6. Side project to learn Cordova
- ✓ 7. Connection error should be slower, redirect should be faster



Useful commands
gcloud app deploy
gcloud app logs tail -s default
gcloud app browse
gcloud app create --project=mobile-testing-402005
gcloud auth login
gcloud config set project mobile-testing-402005

