**Home Poker Manager**

- **Objective** - App to help a host to manage a Holdem Poker Tournament game:

Motivations for home players

* Schedule tournament with friends
* Players Confirmation
* Organize basic rules
* Store history of Comments
* Track execution (control time of each blind, breaks, time to rebuy and add on)
* Define structure of Blinds and payouts
* Manage ranking of an execution tournament
* Manage statistics of players and leagues
* Manage new friends application (neighbors, college friends and others over social media)
* No fights to define how to play, as the app will manage everything for you

Motivations to use a poker manager app as a commercial poker house

* Transparency for the total money paid for all players – as tournament game could have more than 100 players paying for buyins, rebuys and add ons it is impossible to track the amount of money and consequently for the payouts for the winners. Confidence is important for players as they know all the money paid will be divided among winners.
* Accuracy – It is important to track the number of players in a tournament as this information define how a player will define tactics to play. (values of blind x Average chips)
* Possibility of take credit card in advance to guarantee the tournament execution
* Marketing using social media
* Marketing using poker finder with geo reference
* Guarantee of using real chips via RFID technology or other
* Avoid using of real money

To solve the problem, we tried to do a viability study and it is not a pretension to be a MVP due a lack of time and complexity of data model and number of functionalities.

**Basic Functionalities**:

* Manage users (define security over participation in leagues)
* Manage leagues
* Manage tournaments schedule
  + Date
  + Status: Scheduled, open registration, in execution, canceled, complete
  + Late registration: Description (controlled by blinds level)
  + Chips values and colors: (**deck id**)
  + Blinds structure – (**Blind Id**) Levels/Time, next blinds, total chips for buy in, total chips for rebuy, total chips for add on.
  + Payouts: (**payout id**)
  + Buy in value
  + Rebuy value
  + Add on value
  + Estimated players
  + Estimated rebuys
  + Estimated Add ons
  + Estimated Prize Pool
  + % payout for each position
  + Rules
  + Pre registration
* **Manage tournaments execution**
  + time control for tournaments
  + Registration, rebuys e addon
  + Prize Pool with % payouts for each position
  + Ranking
  + Chip count tracking
  + Average Stack
  + Players control (remaining and eliminated)
  + Break
  + Manual Adjustments (in case of error using elimination)

{

Idtournament: 1,

Status: in execution,

Registration: “Open” + timer,

Timer: “29:30”

}

* For the MVP, the administration will be unique for all leagues and tournaments and for the future, improvements would be made to permit administration for each league with your own administrator.

**Administration functionalities:**

* **Deck of Chips:** Chips and values and colors: Create a deck with all chips available with values and colors.
  + Example: Red – 50, Blue – 100, White – 500 and Green – 1000
* Blinds structure: Values of small blind and big blind of each level.
  + Example: Level, Small, Big, Ante and duration (flag rebuy end, open reg, flag add on)
    - Level 1 - 50 – 100 – 0 – 15 minutes – open reg
    - Level 2 – 100 – 200 – 0 – 15 minutes – open reg
    - Level 3 – 150 – 300 – 0 – 15 minutes – open reg, Flag Rebuy end
    - Level 4 – 200 – 400 – 0 – 15 minutes – Flag add on
    - Level 5 – break – 15 minutes
    - Level 6 – 300 – 600 – 0 – 15 minutes
    - Level 7 – 400 – 800 – 0 – 15 minutes
    - Level 8 – 500 – 1000 – 50 – 15 minutes
    - Level 9 – 600 – 1200 – 50 – 15 minutes
* **Tournament model**
  + Choose deck of chips
  + Define Buy in value and Total of chips with suggested quantity of each (bagging and tagging)
  + Define Rebuy value and total of chips
  + Define Add on and total of chips
* **Tournament execution** 
  + Start clock and open functionalities
  + Example: <https://www.pokeratlas.com/table-captain> ( Advanced tournament technology)

Uma imagem contendo ao ar livre

Descrição gerada com muito alta confiança

{

Idtournament: 1,

Status: in execution,

Registration: “Open! ” + timer,

Level: {{index of actual level +1}},

Blind: {{name of actual level}},

Timer: “29:30”,

Remaining: {{remaining}},

RebuyAdds: {{total rebuysAdds}},

Avg. Stack: {{calcAvg}},

Total Chips: {{calcTotChips}},

Next Blinds: {{index of actual level +2}},

Break: {{calc break}},

Prize Pool: {{CalcPrizePool}},

Payouts: {{CalcPrizes}},

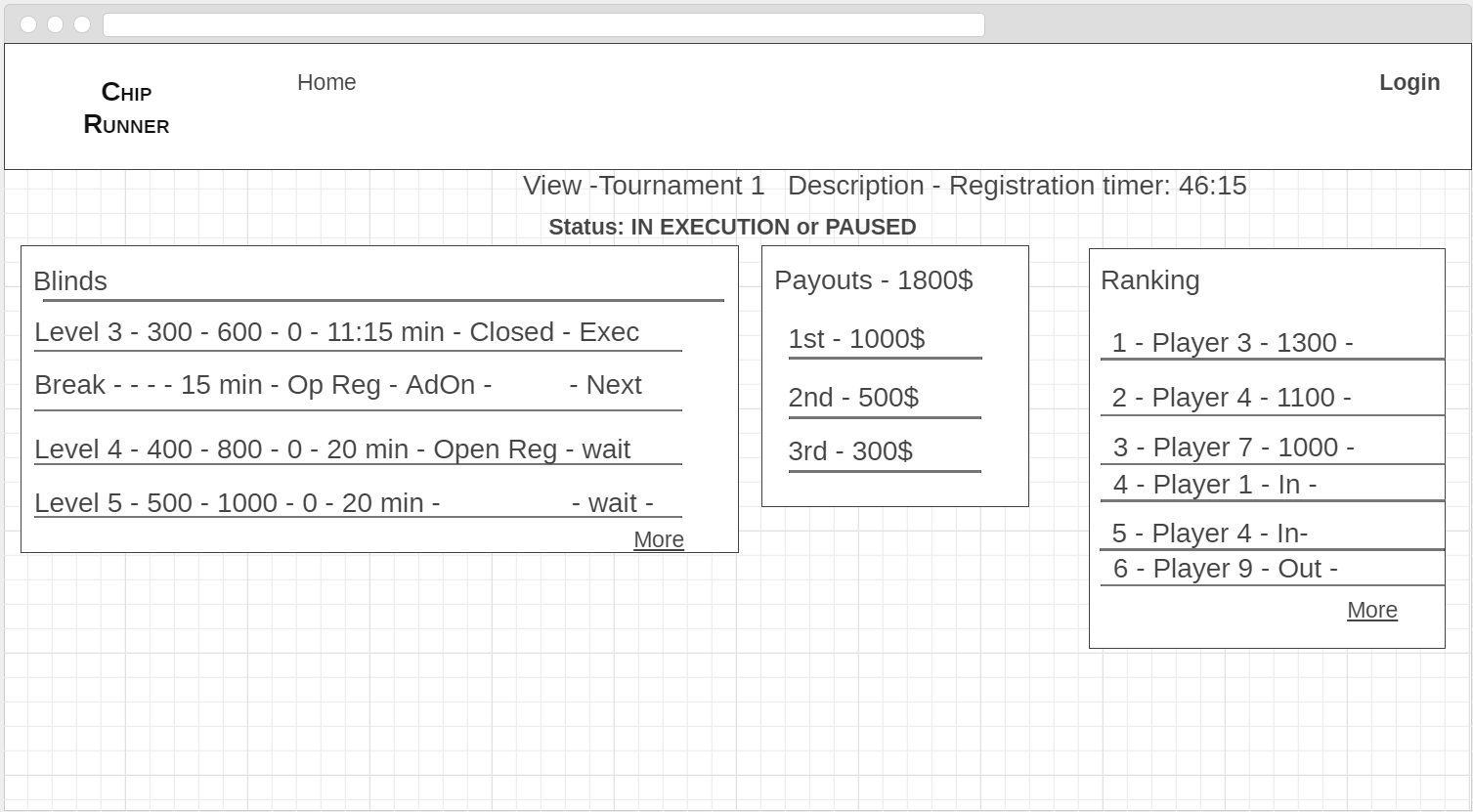
Ranking: {{CalcRanking

}

Execution screen of adm functionalities:

* + Start and pause timer
  + Change blind level
  + Change timer
  + Update ranking
  + Change ranking results
* Execution screen should be available with a link for users logged in
* Clock starts using the first level and so on.
* Show level and value of blinds
* Calculate the time remaining of the actual level
* If registration is open until the level, calculate time remaining
* Calculate prize pool accordingly with the buy in, rebuy and add on
* Calculate total chips accordingly with the buy in, rebuy and add on
* Calculate Avg. Stack accordingly with the total chips/remaining players
* Show total of rebuys and add on
* Show next level blinds
* Show time of the blind and time remaining for the next break

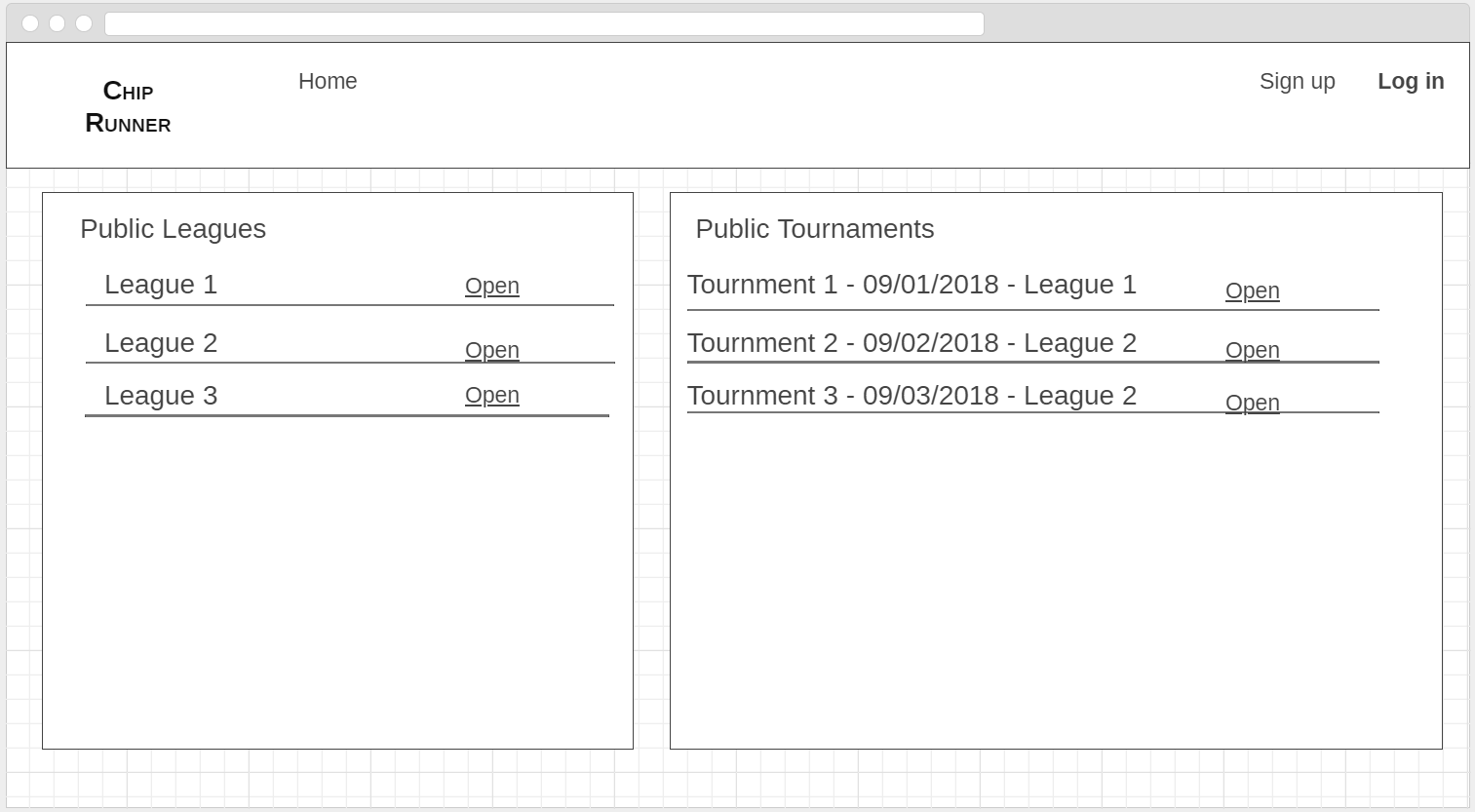
Screen



**Functionalities during execution**

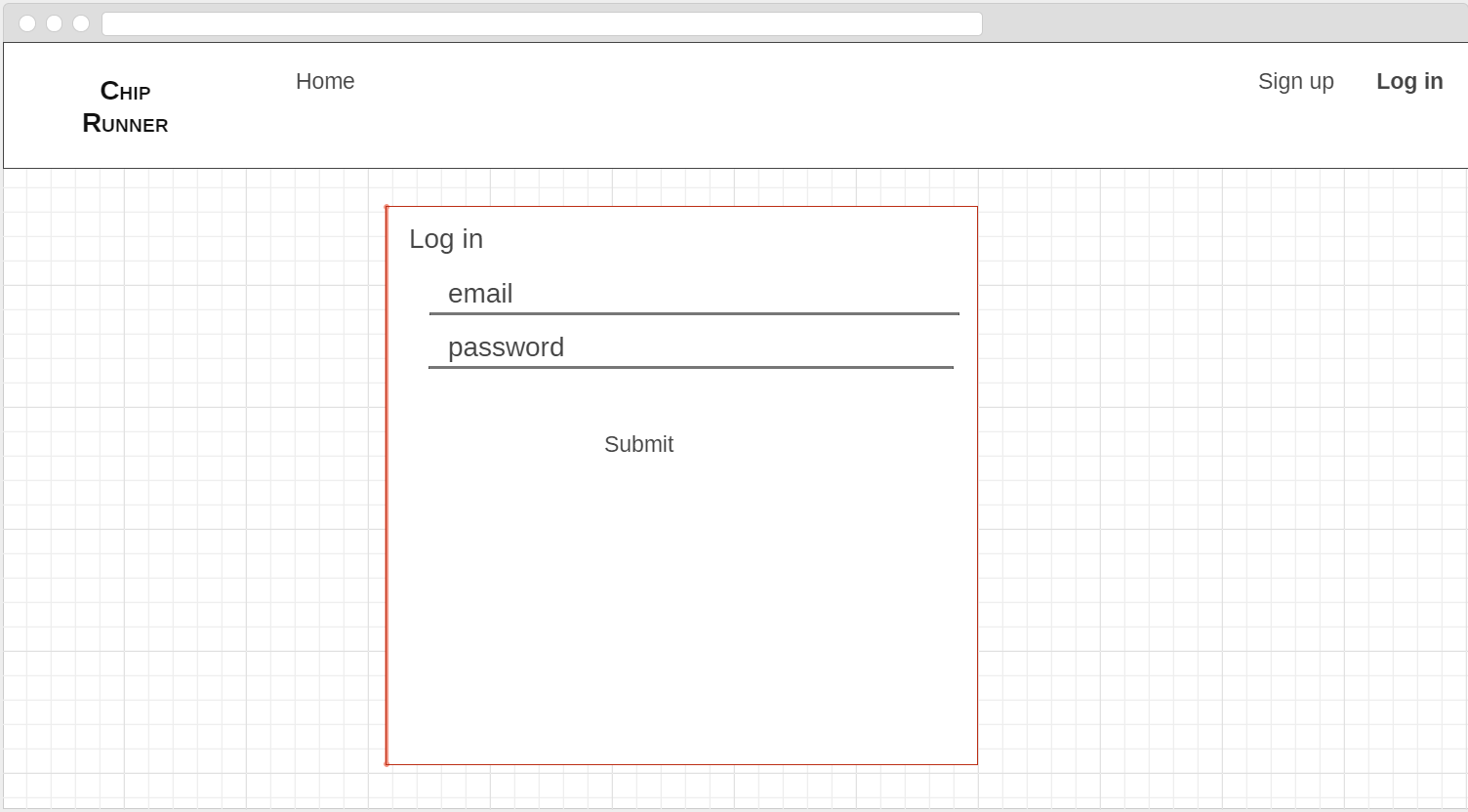
* Stop clock to solve problems
* Eliminate player and update ranking and Avg, Total and remaining
* Update total chips of 10 first players at anytime to show at ranking (used at adm discretion and it is not intended to be on line or accurate) – This information is different than the prize pool that is fixed. Normally update at breaks)
* Update ranking manually to permit deal between players

Screen 1 – home



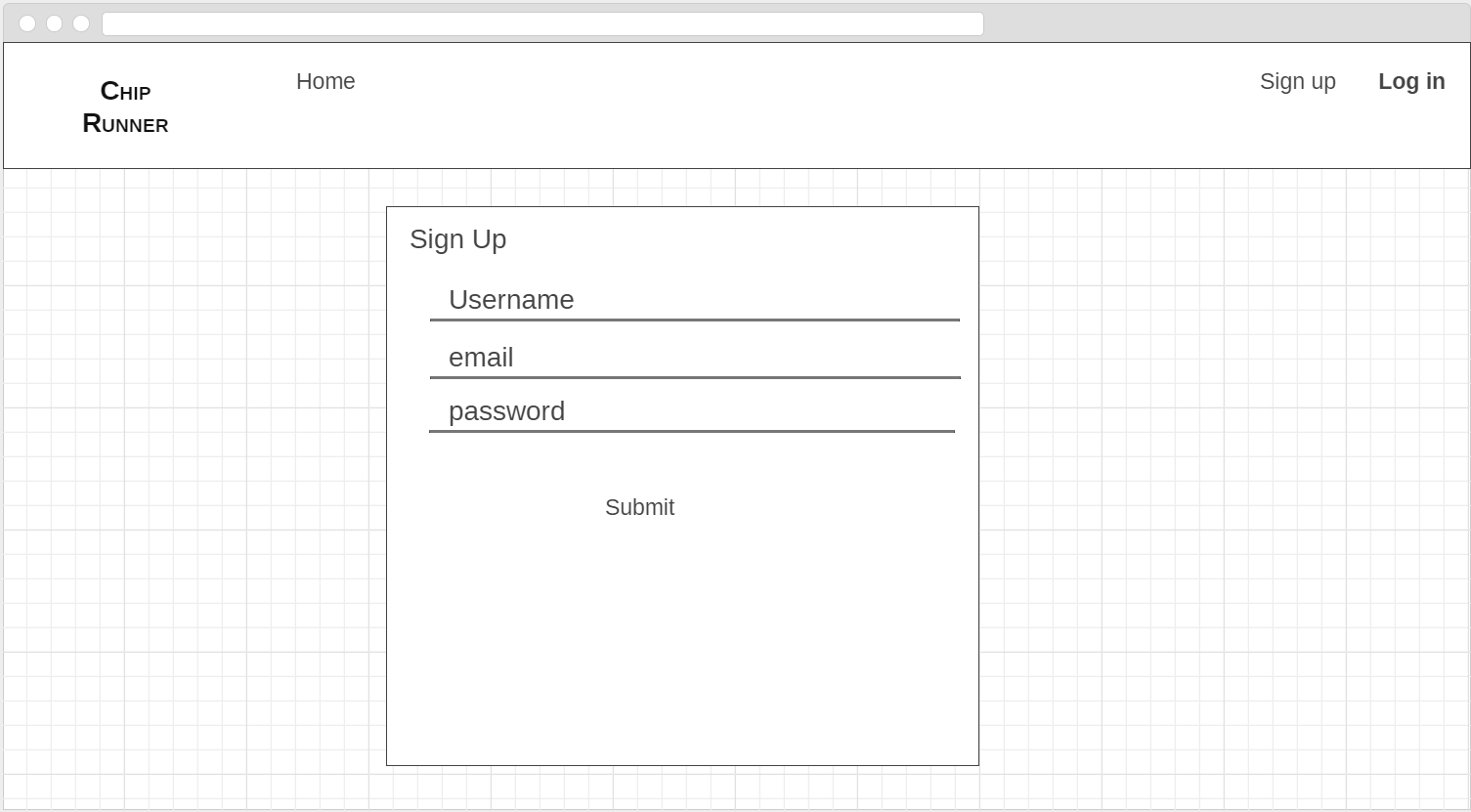
* Menu with login/sig in, logout
* Show scheduled and in execution public tournaments(link for registration should be logged). It should open screen with information of execution for tournaments already started and information for registering at scheduled tournaments
* Show APIs with available tournaments of official casinos or online games. (like <https://www.pokeratlas.com/poker-rooms/las-vegas-nevada> ) (nice to have)
* News about professional poker tournaments. (look for APIs) (nice to have)

Screen 2 – Login page



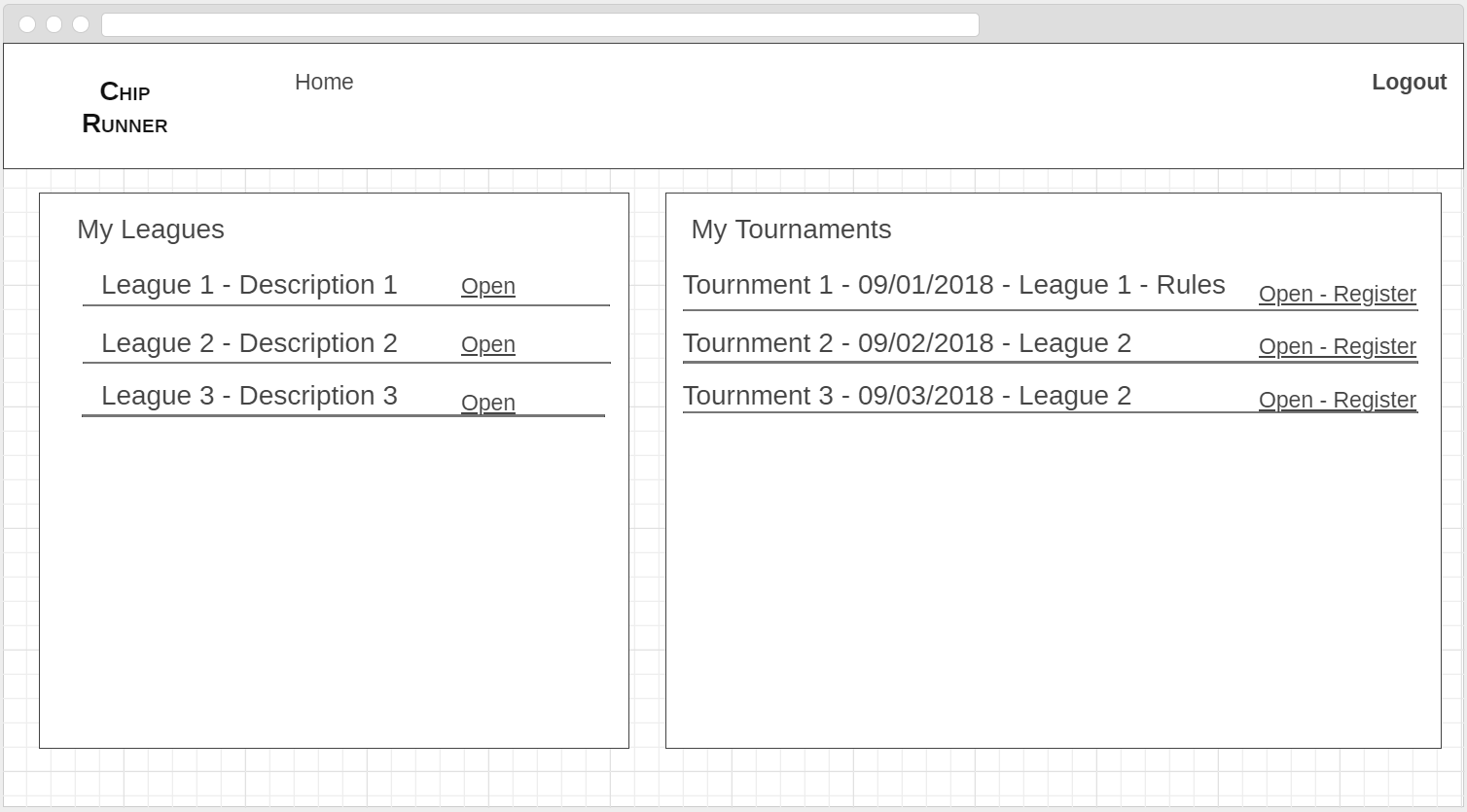
Open the tournaments page automatically. It should control if the user is logged in for all pages.

Screen 3 – Sign up page



Open the tournaments page automatically. It should control if the user is logged in for all pages.

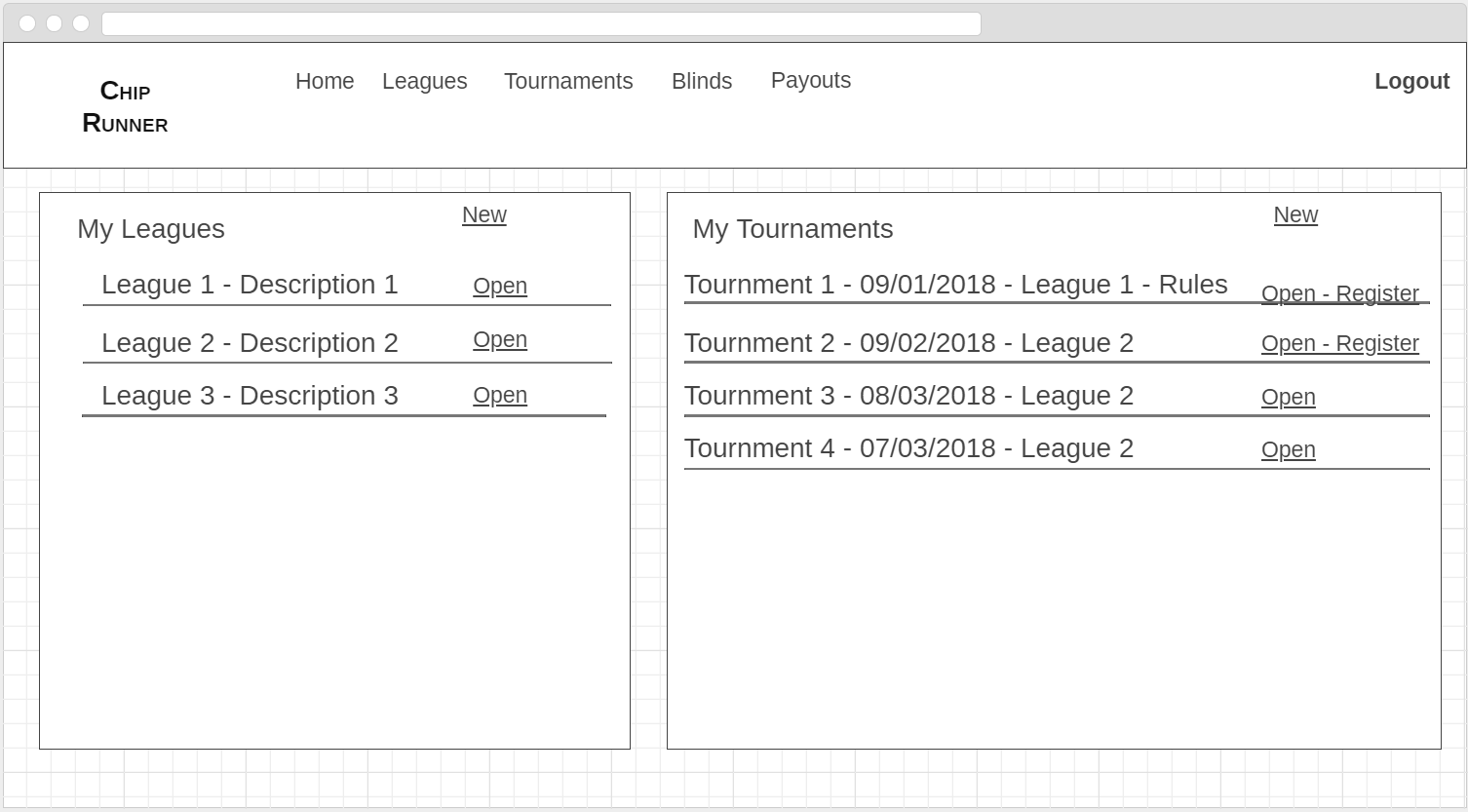
Screen 4 – home logged in as player user



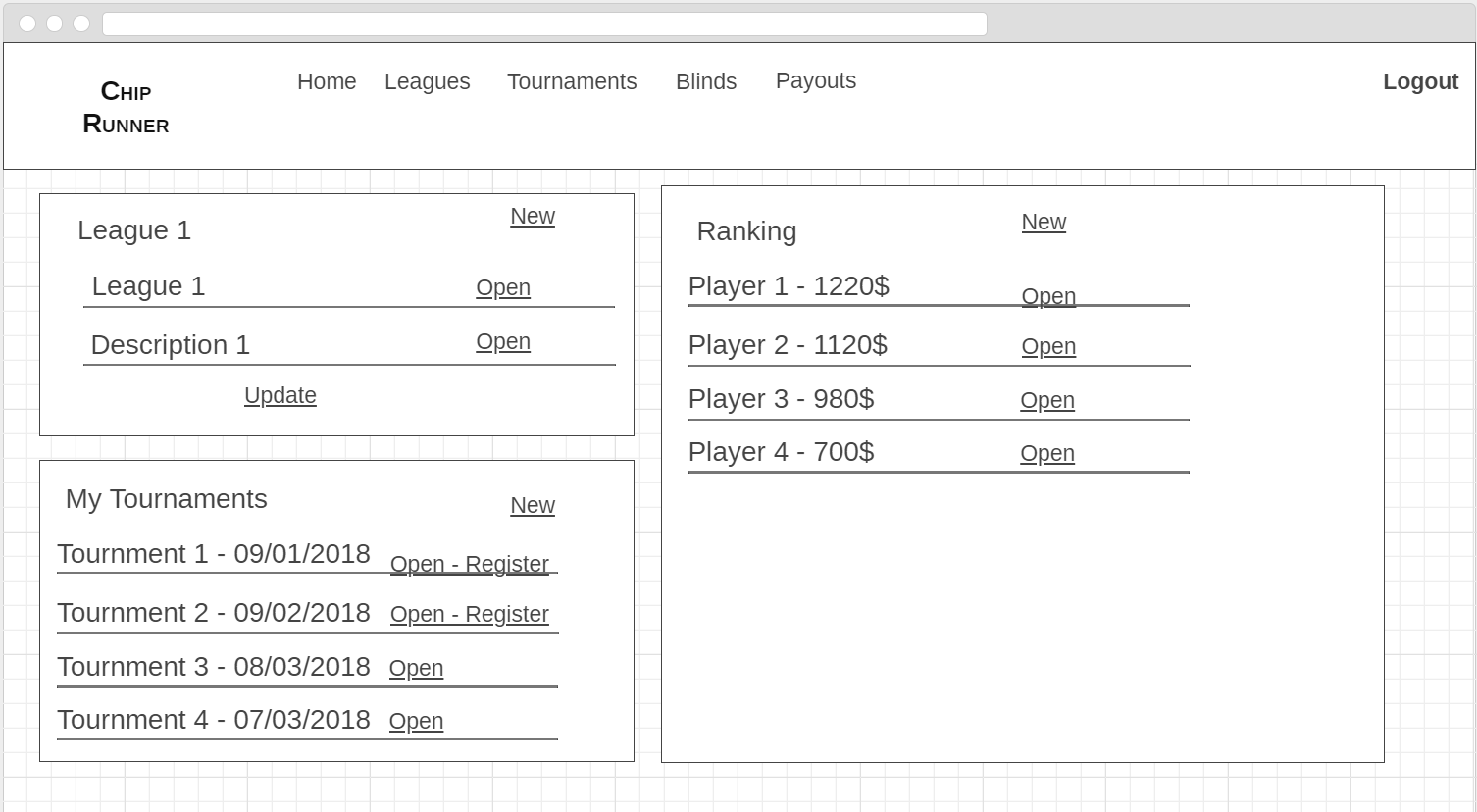
API league and tournaments ready to use.

* Menu for ADM – logout(redirect to home). Cruds for league, tournament schedule, player, chip deck, blind structure, payout %
* Menu for user
  + Leagues of player with ranking
  + Tournaments scheduled with players registered and link for registration
  + Closed tournaments with history results
  + History of player games

Screen 4.1 – home logged in as admin user

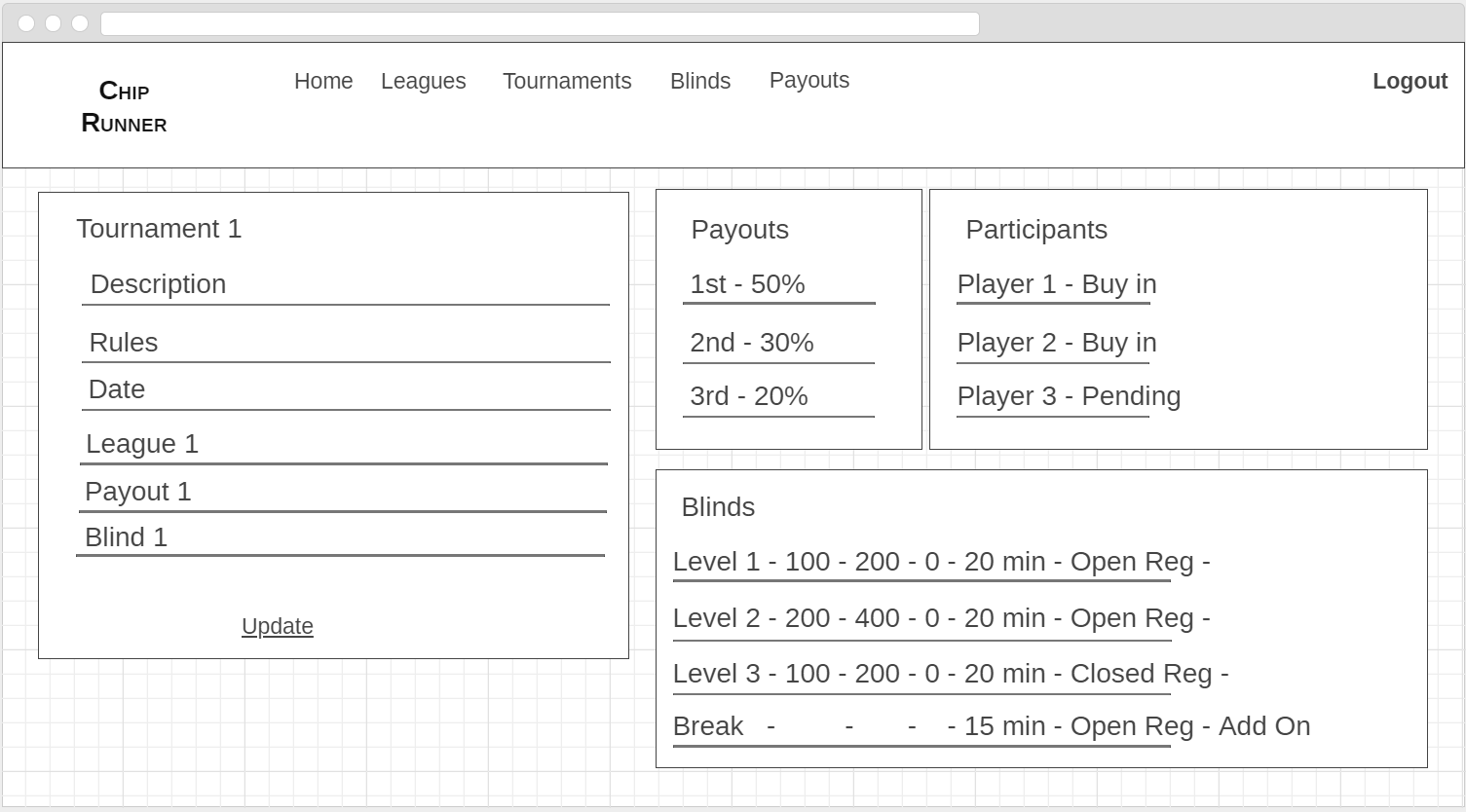


Screen 5 – CRUD for league

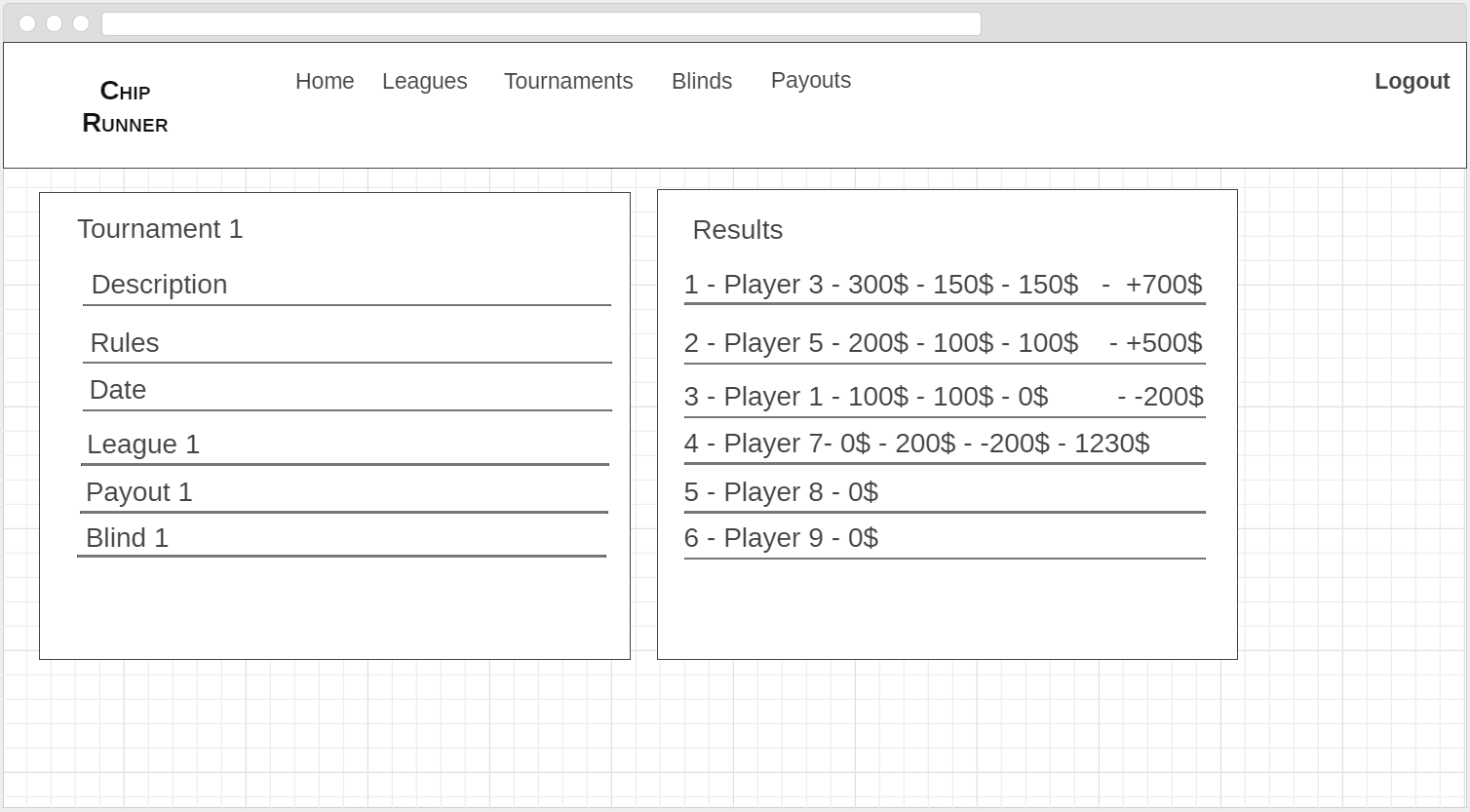


API ready to use for league and tournament. Ranking is icebox

Screen 6 – Open Tounament – Choose league, chip deck, blind structure, payout % and type values for date, buy in, rebuy, add on etc…



Screen 6.1 – Closed Tournament



Icebox

Screen 7 – Crud for Player (decide how to improve in the future to send invite for login)

Icebox

Screen 8 – Crud for Chip Deck

icebox

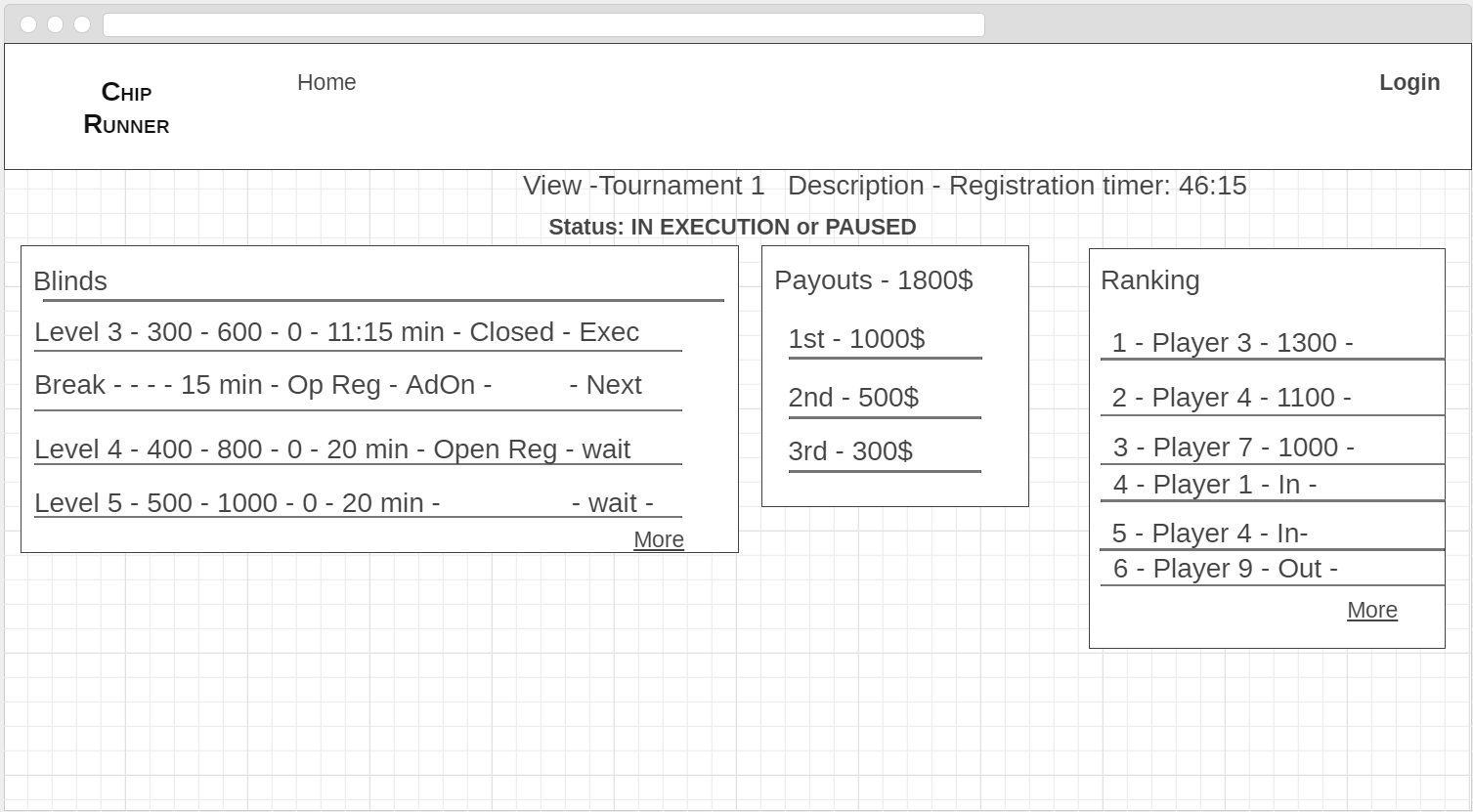
Screen 9 – Crud for blind structure

icebox

Screen 10 – Crud for payout %

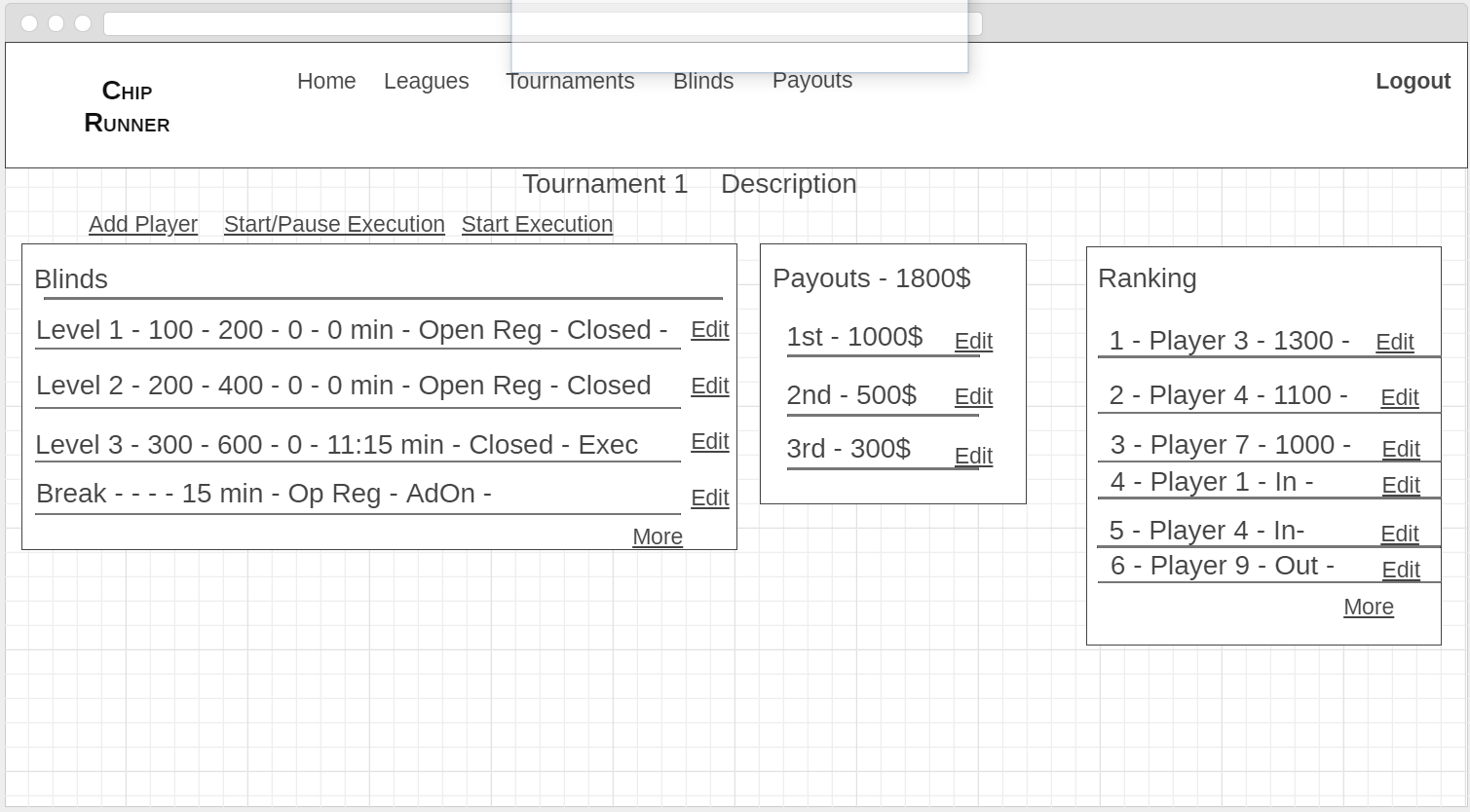
icebox

Screen 11 – Tournament viewer



Copy train page to make sure it is possible to use firebase at Heroku and it is working. IF I have time I will do this view and minimum time controls for presentation.

Screen 12 – tournament execution ADM



* Good to show start of a tournament creating a firebase data. I don’t if the time will be sufficient.

Screen 13 - Tournament registration (link from tournaments scheduled)

icebox

Screen 14 -Tournament registration Cashier – Logged cashier to confirm payments

Icebox

Screen 1000 – Receive payments

Dream Icebox