

Bet (F)unFair

Betting is only a problem if you stop before winning big
featuring friend of the group mr 'acc'

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TM

Phoenix
Framework

handle_call is just a function


and other bad code decisions

```
defp place_bet(kind, user_id, market_id, stake, odds, exchange_name) do
  %{status: market_status} = Repo.get(models.Market, market_id)
  case market_status do
    :active ->

      case Repo.get_user(user_id, exchange_name) do
        {ok, %{id: id}} ->
          case Repo.add_bet(%models.Bet{
            bet_type: kind,
            user: id,
            market: market_id,
            original_stake: stake,
            odds: odds,
            status: :active,
            remaining_stake: stake
          }) do
            {ok, %models.Bet{id: id}} ->
              # Please don't do this at home
              handle_call({:user_withdraw, user_id, stake}, __MODULE__, exchange_name)

              {:reply, {ok, id}, exchange_name}

            {error, error} ->
              {:reply, error, exchange_name}
          end
        error ->
          {:reply, error, exchange_name}
      end
    _ -> {:reply, {error, "Market not active"}, exchange_name}
  end
end
```



```
defp settle_market_bet(bet, {success, count, result}) do
  setup( ... )

  acc =
    cond do
      {bet.bet_type, result} = {:lay, false} or {bet.bet_type, result} = {:back, true} →
        do_stuff( ... )

      true →
        do_other_stuff( ... )
    end

  update_bet_status()
  acc
end
```

Final project structure

```
lib
├── bet_unfair
│   ├── application.ex
│   ├── models.ex
│   ├── repo.ex
│   └── server.ex
└── bet_unfair.ex
```

What we learned

(but didn't do)

- Defining and limiting the basic operations that you want to perform on your database helps.
- Understanding the algorithm you are trying to implement before actually implementing it helps too.
- Leveraging the power of reusable code is better than simply writing new code for every new bit of functionality.

Q & A