

# Betting Platform

A platform where users can create bets on stock markets and cryptocurrencies. After placing their bets, users can choose to make them private or public. Public bets will be visible on the platform, while private bets can only be accessed by users with the link. When people share the link on Twitter, it will unfurl into a **BLINK**, allowing users to discover bets not only from the platform but also from Twitter.

## Participants

- **Bettors:** Individuals who place bets on stock market and cryptocurrency price movements.
- **Bet Acceptors:** Individuals or entities who accept and match the bets placed by the bettors.

## User-Story 1 :

**Title:** Creating a Custom Bet with Specific Wager and Market Details

- **As a:** User
- **I want to:** Connect my wallet and navigate to the create bet page, where I can specify the wager amount in USDC or other tokens, select the market I want to bet on, set the time frame, and create the bet
- **So that:** I can tailor my bet according to my preferences and participate in the platform with a personalised wager and market prediction

## User-Story 2:

**Title:** Editing or Cancelling a Bet

- **As a:** Bettor
- **I want to:** Have the ability to edit or cancel a bet I have created before the bet is finalised or the time frame has started
- **So that:** I can make adjustments to my bet if needed or withdraw it if my circumstances or strategy change

## User-Story 3 :

| **Title:** Viewing and Participating in Bets

- **As a:** User
- **I want to:** Browse available public bets on the platform, including details such as wager amount, selected market, and time frame
- **So that:** I can view and participate in bets created by others, and make informed decisions on which bets to join based on the information provided

## User-Story 4:

| **Title:** Managing and Tracking My Bets

- **As a:** Bettor
- **I want to:** View a dashboard or profile page where I can see all my active and past bets, including details like wager amount, market, time frame, and current status
- **So that:** I can easily monitor my betting activity, track the performance of my bets, and manage any actions needed for ongoing or completed bets

## User-Story 5:

| **Title:** Claiming Bet Winnings

- **As a:** Bettor

- **I want to:** Claim my winnings after a bet is resolved.
- **So that:** I can receive my earned amount and understand the platform's fee structure

## Technical Aspects :

The platform employs Anchor smart programs on the Solana blockchain to manage bets, utilising data from the Pyth Network for precise asset pricing. Users create and manage bets via an intuitive front-end, which interacts with the smart contract to update bet statuses and determine outcomes based on Pyth's data. Once a bet is resolved, users can claim their winnings through the platform. A portion of the winning amount is deducted by the platform as a fee.