“Here’s how awesome this app is” (90 seconds)

Highlights:

* Intro - VT sports events app
  + “A new app to handle all of your VT sports events tickets”
* HTK
  + “Instead of using your cash, you’re given Hokie Tokens”
* Buy tickets + enter lottery
  + “You can do all the actions you’re familiar with from the existing tickets website, like buying tickets and entering the student lottery.”
* Incentive based rewards/penalties
  + “We’ve also introduced a new system for rewarding students who attend events.”
  + “You get big rewards for attending VT’s smaller sporting events”
  + “If you get a ticket but don’t use it, you get a penalty.”
* Mobile
  + “There’s also a companion mobile app”
* QR codes and discourage resale
  + “For each game, your ticket has a unique QR code generated the day of the game. This is scanned at the gate and verifies that you attended.”
  + “The unique QR codes discourage students from reselling their tickets at higher prices on third-party websites”
* Summarize
  + “With this system, students who are enthusiastic about all of VT’s sports events, not just football and basketball, are rewarded.”

Full demonstration (4-5 minutes)

Web Walkthrough:

* SETUP (should be done before walkthrough)
  + Make sure wallet is unlocked and blockchain is running
  + General
    - 5 Games
      * Game -1: Past game with users who didn’t attend
      * Game 0: Lottery is open, users entered in lottery (more than the # of available lottery tickets)
      * Game 1,2,3: Future games
    - Some users have already purchased tickets for Games 1,2,3
  + Demonstration User
    - Entered in lottery for Game 0
    - Bought a ticket for Game 2
* Login as hokipoki
* Admin:
  + Accounts
    - View accounts (names, balance, tickets)
    - Create a new account
    - Verify that new account is added to list
  + Transfer
    - Transfer HTK to the user just created
    - Go back to Accounts page to show that balance is updated
  + Lottery
    - Lottery is already open for game 0, can see users who are entered
    - Open lottery for game 1
* Logout
* Login as Demonstration User
  + Account
    - See HTK balance / transaction history
  + Lottery
    - Already entered for Game 0
    - Enter in new lottery for Game 1
  + Buy Tickets
    - Already bought ticket for Game 2
    - View ticket
    - Buy a ticket for Game 3
    - View new ticket
  + My tickets
    - Can see two purchased tickets
    - Sell back Game 2 ticket
    - No longer in My Tickets, balance updated
* Logout
* Login as hokipoki
  + Lottery
    - Execute Lottery for Game 0
  + Accounts
    - Show lottery winners
  + Attendance
    - Scan QR code to validate ticket
    - Show updated balance on user
    - Admin penalize all users who didn’t attend past game (Game -1?)

Phone Walkthrough

**4/14**

Ankita (1 minute)

* 1 minute description of the problem
* The Virginia Tech ticket lottery system is fundamentally flawed because it allows for people to enter the lottery for popular games and scalp their tickets over Facebook and other mediums. Virginia Tech has no way of regulating these transactions and students end up paying exorbitant costs for tickets. This undermines Virginia Tech’s role in the ticket distribution system and is unfair to students who genuinely want to attend sporting events. Also, with the Virginia Tech lottery system, students are not rewarded for attending games for sports with lower attendance. These problems have created a black market for tickets as well as an absence in school spirit for sports that are not football and basketball. VT Tickets is here to change that. VT Tickets is an eosio blockchain application that makes getting tickets from the school incredibly easy and fair.

Rachel (2 min)

* Two browser windows, one admin one student
* Student actions
  + Web walkthrough of basic actions
* Admin actions
  + Web walkthrough of basic actions

Sameer (1 min)

* Student phone walkthrough with buying/viewing ticket
* Admin phone walkthrough with scanning

Nathan (1 min)

* Impact on the market

Niles

* Answer questions pls

90 Second Script:

1. "Hey we have a ticket app using blockchain"

Hokie Tickets is an eosio blockchain application that overhauls the current football ticket system. I

2. "You can buy, sell, and enter the lottery like usual"

You can buy, sell, and enter a ticket lottery from the website or the mobile app. Buying, selling, and entering the lottery tickets are as simple as clicking a button.

(Selling a ticket on one phone should allow another user to see a new available ticket on another phone)

3. "You can also auction your tickets to other users"

4. "You attend games using a QR code"

5. "You'll be rewarded by attending less popular games"

Script:

Speaker: The Virginia Tech ticket lottery system is fundamentally flawed in that it allows for people to enter the lottery and scalp their tickets over Facebook and other mediums. Virginia Tech has no way of regulating these transactions and students end up paying exorbitant costs for tickets. This undermines Virginia Tech’s role in the ticket distribution and is unfair to students who genuinely want to attend sporting events.

*\*Open login page on website and iPhone\**

**Speaker:** Hokie Tickets is an EOSIO blockchain application that overhauls the current ticket system.

**Speaker:** The Hokie Tickets website and IOS application allows for identity verification with all protected user information stored securely on the blockchain. You can buy, sell, and enter a ticket lottery from the website or mobile application.

*\*Transition to the mobile app appearing on two screens with two different users\**

**Speaker:** User\_one can sell their football ticket back to the university for the face value of the ticket. User\_two can then purchase the football ticket for the new face value of the ticket.

*\*Show a screen for user\_1 wanting to enter the lottery for a different game\**

**Speaker:** User\_one now wants to enter the lottery for a basketball game. With just the click of a button, they have now entered the lottery and will receive notification if they are a winner after the date specified.

*\*Show the QR code scanning mechanism, have the admin screen and the user screen open\**

**Speaker:** User\_one has their ticket from the lottery and goes to attend the game. A unique QR code has been generated for each ticket for the admin account to scan once they attend the game. Game attendance gives a reward of Hokie Tokens depending on the game and missing attendance invokes a standardized penalty.

*\*Show the page with all the tickets and games for a user\**

**Speaker:** Additionally, Hokie Tokens are rewarded in greater amounts for attendance of less popular games as a way to incentivize students and show exemplary school spirit.

*\*Go back to page shown when the video was started\**

**Speaker:** Hokie Tickets will allow Virginia Tech to fully regulate and profit from the sale of tickets, it will allow users to experience a fair distributing system, and the Virginia Tech community will benefit from the increase in school spirit.

*\*Open login page on website and iPhone\**

**Speaker:** Hokie Tickets is an EOSIO blockchain application that provides a new system for Hokie students to get their tickets.

*\*login with user\_1 pid\**

**Speaker:** You can log in to Hokie Tickets on the website or IOS app using your student PID.

*\*Demonstrate buying a ticket, selling a ticket, and entering lottery (quick clips)\**

**Speaker:** Once you’re in, you can buy tickets with Hokie Tokens or enter lotteries to get tickets to the games you want.

*\*Transition to the mobile app appearing on two screens with two different users\**

**Speaker:** You can sell your ticket back to the university for the value you bought it at. Then, other users can purchase the ticket from the university.

*\*Mobile apps transition to auctions\**

**Speaker:** You can also choose to auction your tickets directly to other Hokies. Once your ticket is up for auction, other users can bid their Hokie Tokens on it. This way, all ticket transactions are kept on the HokieTickets app.

*\*Show the QR code scanning mechanism, have the admin screen and the user screen open\**

**Speaker:** When game day comes, a unique QR code is generated for your ticket and will be scanned by an admin when you attend the game.

*\*Show HTK balance or “Past Tickets” to show rewards and penalties\**

**Speaker:** When your attendance is verified, you will be rewarded with Hokie Tokens. However, not using your tickets and missing games will result in a penalty.

*\*Show the page with all the tickets and games for a user\**

**Speaker:** Higher rewards are given for going to events with historically low attendance. We want to reward Hokies that support all of Virginia Tech’s athletic programs, not just football and basketball.

**Speaker:** All of these actions are tracked on the blockchain, so Virginia Tech knows where each ticket goes, and prevents ticket resale outside of the app.

*\*Go back to page shown when the video was started\**

**Speaker:** With HokieTickets, students are guaranteed a fair ticketing system that builds school spirit for the whole community, and the Hokie sports that they love.