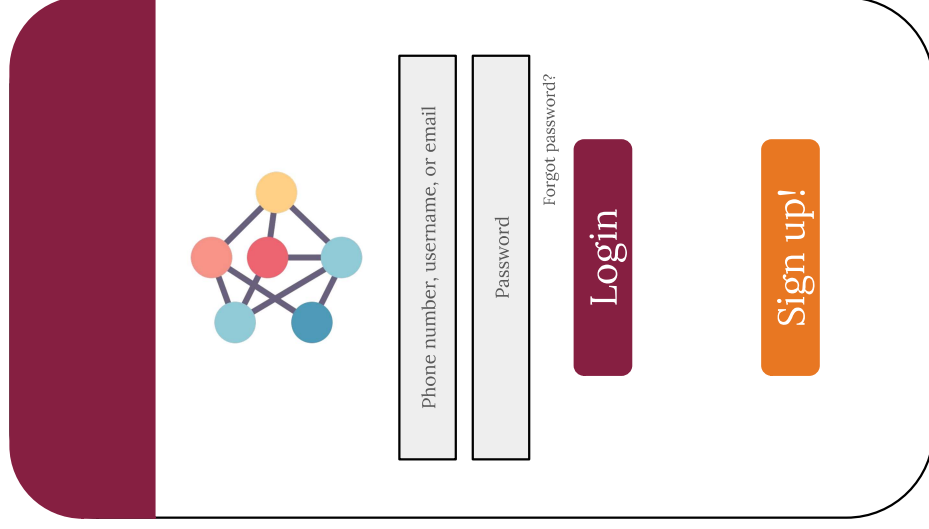


Event Discovery and Planning App

Grace Govan, Brian Aguilar, Alby Koolipuracakal, Kritika Partha, Mikaela Flaherty

Our App



Purpose + Impact



Promote and manage event activity



Event discovery and planning



Enhance social experience for users

Design

Important Classes



Homepage



Account



Post



Event



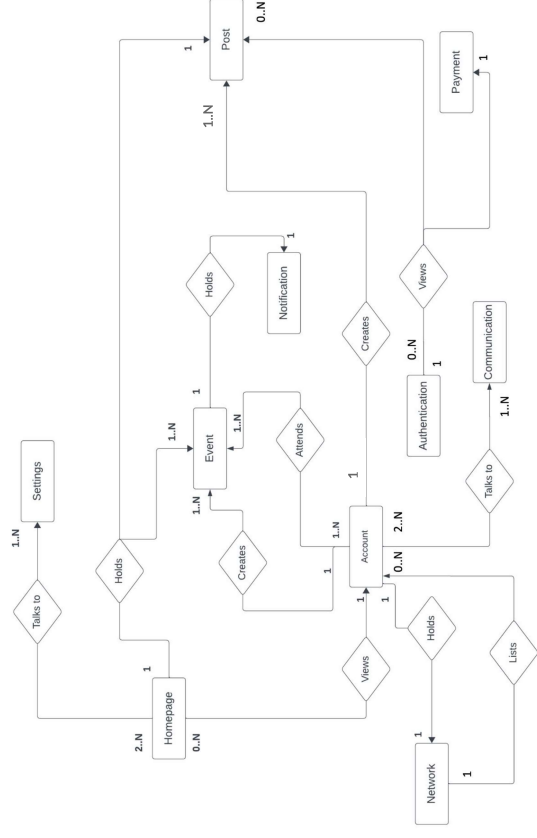
Authentication

Key Relationships

Homepage has a one-to-many relationship with Event

Account has a one-to-many relationship with Post

Account has a many-to-many relationship with Event



Authentic Features



Identity Verification

Please upload a clear picture of your government-issued ID

*Ensure your face, name, and birthday are included.





Take Photo

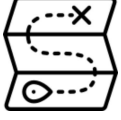


Upload Photo

Identity Verification

- Identify the user's age for events
 - 21+ for entry to certain events
 - Deny access to under 21 for certain events
- The user has the option to -
 -  Take photo of ID
 - OR**
 -  Upload photo of ID
- System will notify the user if not a proper form of identification

Maps and Transportation



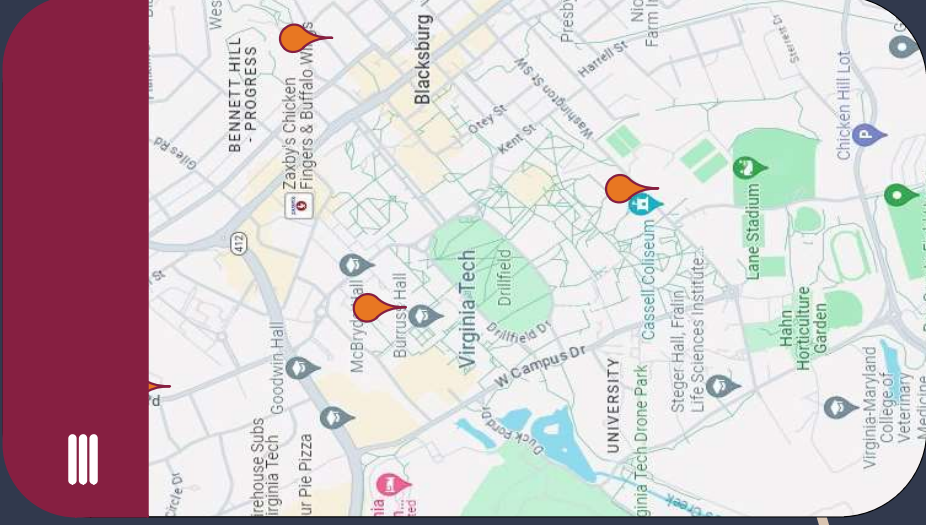
Provides map of events in local area

- Events can be selected to view further details
- Built in ability to request Transportation to and from events



Transportation System

- User can request ride to and from events
- System will use Uber API to facilitate the rides





Events Page

- Organization post
 - Title of event
 - Description of event
 - Tag of organization
 - Org can choose to display -



A Video

OR



A Photo

- Comment thread
 - Users may comment on an active event
 - Reply to previous comments
 - Tags for users

@VTBarStool



LET'S GO HOKIES!
LET'S CRUSH NC STATE

@RealStudent
Did anyone find a Orange and
Maroon sweater? I dropped it
somewhere there

@TheRealStudent
It's gone

Pseudocode

```

friendSuggestion(friends: list)
LET friendOne = first friend in friends list
LET friendTwo = first friend in friends list
LET place = 0
FOR int x from 0 to the length of friends:
    FOR int y from x to the length of friends:
        IF sort criteria of friendOne < sort criteria of friend at index y
            LET place = index y
            LET friend2 = friend at index y
        ENDIF
        friendOne = friends[x];
        friends[x] = friendTwo;
        friends[place] = friendOne;
    END
END
return friends;

```

```

partitionPosts(Posts: List)

LET pivot = end
LET pivotValue = pivot.score
LET currentNode = start
LET prevNode = null

WHILE currentNode != pivot:
    if currentNode.score < pivotValue:
        prevNode = currentNode
        SWAP(currentNode, prevNode)
    ENDIF
    currentNode = currentNode.next
ENDWHILE
SWAP (currentNode, prevNode.next)
return prevNode.next

```

```

sortPostsByScore(start: Post, end: Post)

```

```

IF start != null AND start != end AND start != end.next:
    pivotNode = partitionPost(start, end)
ENDIF
sortPostsByScore(start, pivotNode)
sortPostsByScore(pivotNode.next, end)

```

Major Challenges and Strategies



Friend recommendations - multiple/factors that can go into this

Friend recommendations: Start basic based on user interests and mutual friends



Transportation - Unnecessary extension of scope

Transportation: Uber API Integration



Moderation

Content Moderation: AI bots



Pseudocode - Difficulty with visualizing, understanding complexity, and optimizing.

Waterfall model to help with complexity
Use a sorting algorithm to optimize



Modularity - Understanding components and relationships

UML diagram to understand relationships

Summary



Conceptual Overview

- Hypothetical design for an innovative event discovery and planning app.
- Features envisioned include maps integration, Uber API connectivity, and AI-driven content moderation.



Potential and Possibilities

- Potential for redefining event discovery and planning
- Creating communities through shared experiences



Challenges Faced

- Discussed hypothetical challenges such as content moderation and transportation solutions.
- Suggested strategic tech-driven solutions for resolution through enhanced user engagement

Questions?