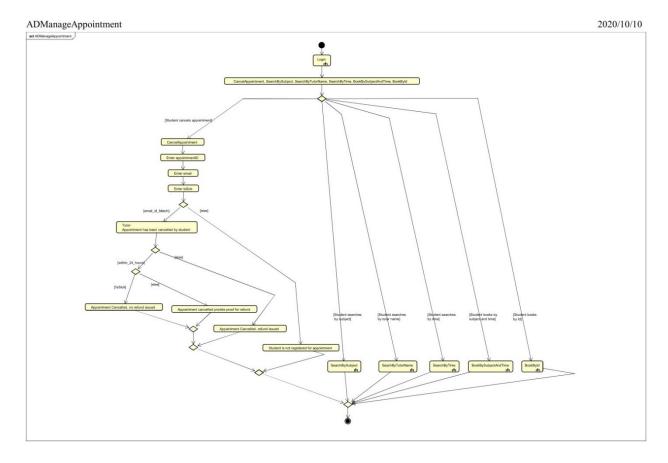
Activity Diagram



Persona Drafts

Reggie

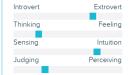
Manager at Tutoring Centers of America



"My hody is ready!"

Age: 45-55 Work: Manager Family: Married Location: Fourside, NY Character: Driven

Personality



Goals

- Create the best STEM tutoring environment in America.
- Enlist the best tutors to assist students both on and offline.
- Provide accessible learning resources to as many students as possible.

Frustrations

- There are no effective bi-modal tutoring centers.
- Existing online tutoring systems are unintuitive, which makes it difficult to find talent that can effectively use those systems.
- In-person environments cannot support large numbers of oneon-one tutoring sessions with students.

Bio

Reggie is a passionate manager at Tutoring Centers of America. He believes that every child should have access to tutoring resources so that children can grow up into their best selves through education. With a nose for talent, he is willing to use any worthy medium to work with tutors and provide the best supplemental learning material for students.



Cassandra

Tutor at Tutoring Centers of America



"I'll help take your mental math to the mental max!"

Age: 20-30 Work: Tutor Family: Single Location: Twoson, OR Character: Enthusiastic

Personality

Introvert	Extrovert
Thinking	Feeling
Sensing	Intuition
Judging	Perceiving

Goals

- Help students learn and succeed in class assignments.
- Create positive relationships between herself and students.
- Master a variety of subjects so that she can assist students in their academic goals.

Frustrations

- Living 30 minutes from the nearest physical tutoring center, she must often hurry to work in the morning.
- Not the most tech-savvy, she is not comfortable using the current online tutoring system at Tutoring Centers of America.
- She wishes that she can have more one-on-one sessions with students to ensure they are effectively engaging with the material.

Bio

Cassandra is a bright sophomore university student that works part-time as a tutor for Tutoring Centers of America. She loves helping students in STEM, especially math and wants to make sure that they both understand and enjoy the material. She'll go to great lengths to ensure that each of her students reaches their full potential.





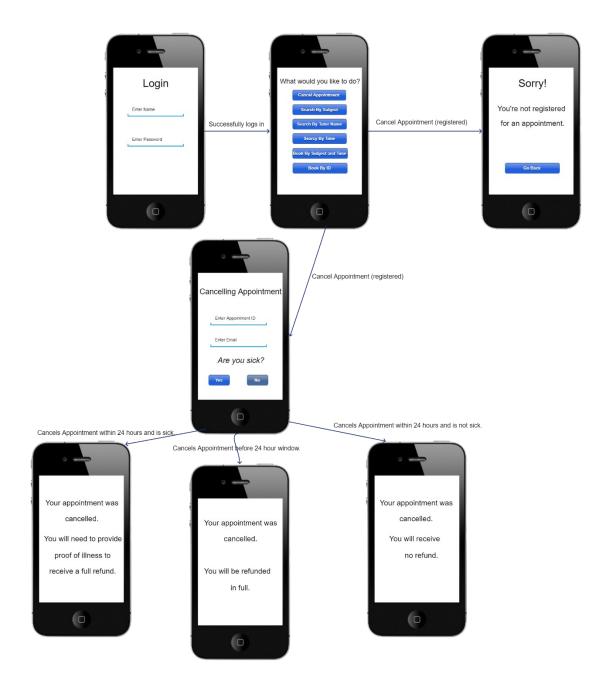
Feedback from Ethan Miller on the Personas



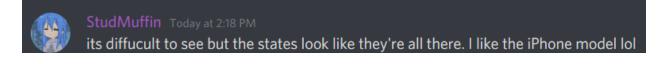
StudMuffin Today at 1:16 PM

I think those are super fit for the system, in terms of requirements im sure you're good to go. Im just tryna have fun with mine so i dont burn myself out working on this

UI Design Draft

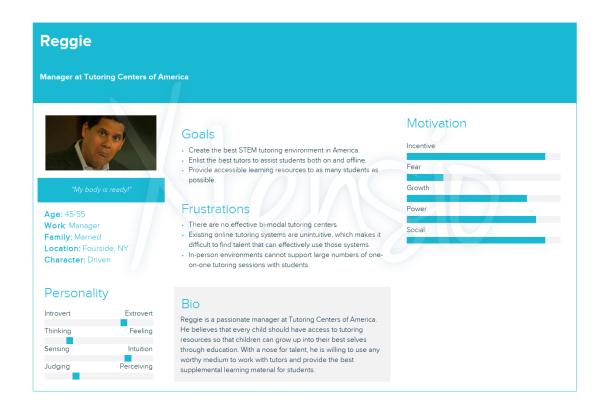


Feedback from Ethan Miller on UI Design



For the above feedback, the UI was shared over a dark background, making it difficult for Ethan to see the transitions and their corresponding conditions. The word document background makes it easy to see.

Revised Personas and UI Design



Cassandra

Tutor at Tutoring Centers of America



"I'll help take your mental math to the mental max!"

Age: 20-30 Work: Tutor Family: Single Location: Twoson, OR Character: Enthusiastic

Personality

Introvert	Extrovert
Thinking	Feeling
Sensing	Intuition
Judging	Perceiving

Goals

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- Not the most tech-savvy, she is not comfortable using the current online tutoring system at Tutoring Centers of America.
- She wishes that she can have more one-on-one sessions with students to ensure they are effectively engaging with the material.

Bio

Cassandra is a bright sophomore university student that works part-time as a tutor for Tutoring Centers of America. She loves helping students in STEM, especially math and wants to make sure that they both understand and enjoy the material. She'll go to great lengths to ensure that each of her students reaches their full potential.



Billy



Age: 10-16 Work: Student Family: Single Location: Onett, PA Character: Timid

Personality

Extrovert
Feeling
Intuition
Perceiving

Goals

- Defeat the Ender Dragon without taking any damage.
- Become a video game developer.Get an A+ in Algebra

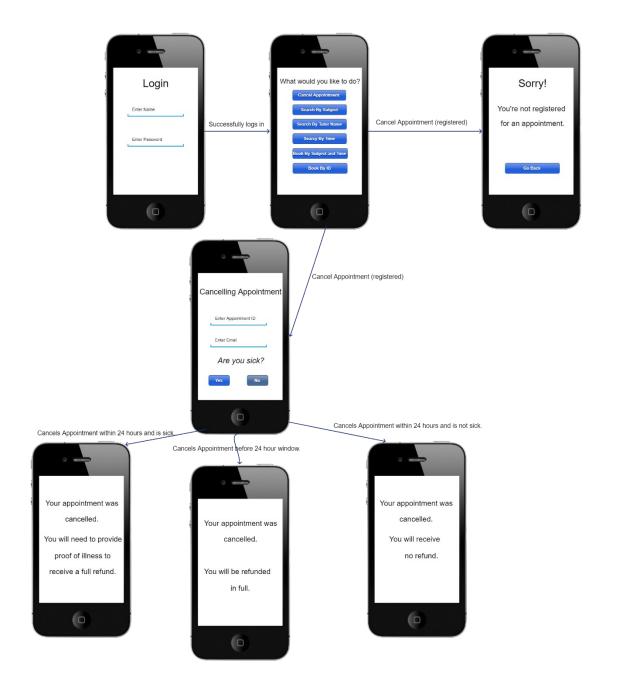
Frustrations

- Creepers keep getting the jump on him.
- Tutoring websites are too difficult to navigate.
 Living 40 minutes away from the nearest tutoring center, he can't easily get help in Algebra.

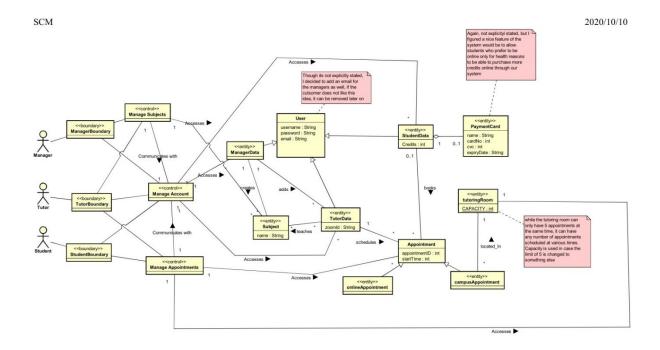
Bio

Billy, an avid Minecraft gamer and aspiring game developer, is a student at Tutoring Centers of America who loves STEM, but finds certain classes confusing. He appreciates any help he can get since he knows it will help him in the future. He loves talking to others about video games, especially Minecraft.

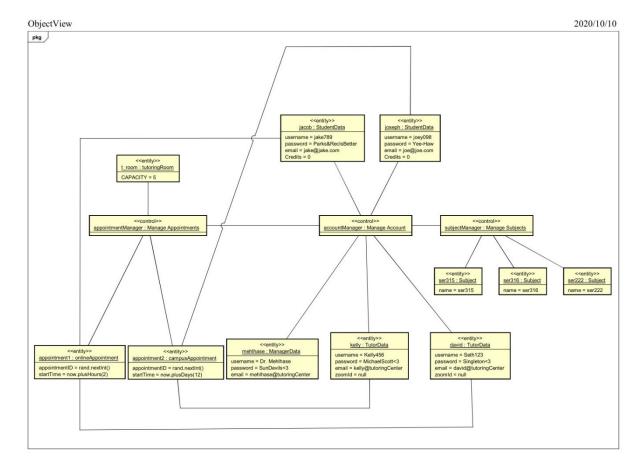




System Class Model



Object View



Note: while the structure of the object relations matches that of the Java implementation,

ManagerData, TutorData, and StudentData are represented as Manager, Tutor, and Student,
respectively, in the Java implementation.