



A CHILD'S TALE

EMPOWERING CHILDREN TO TELL STORIES THROUGH INTERACTIVE DESIGN

DESIGN OPPORTUNITY

Research shows that storytelling increases children's literacy by strengthening mental associations between experiences, emotions, and words, giving them a larger working vocabulary, and teaches context of words and phrases.¹ Extant storytelling voice AI apps fail to inspire imaginative, generative play.

CONCEPT PROTOTYPE

Alexa voice AI drives the storytelling, and wearable devices allow remote player interaction and recording. My concept will give generative creative control to the players and inspire an active, engaging experience. Replays provide an entertaining break and the motivation to return and play again.

DESIGN GOALS

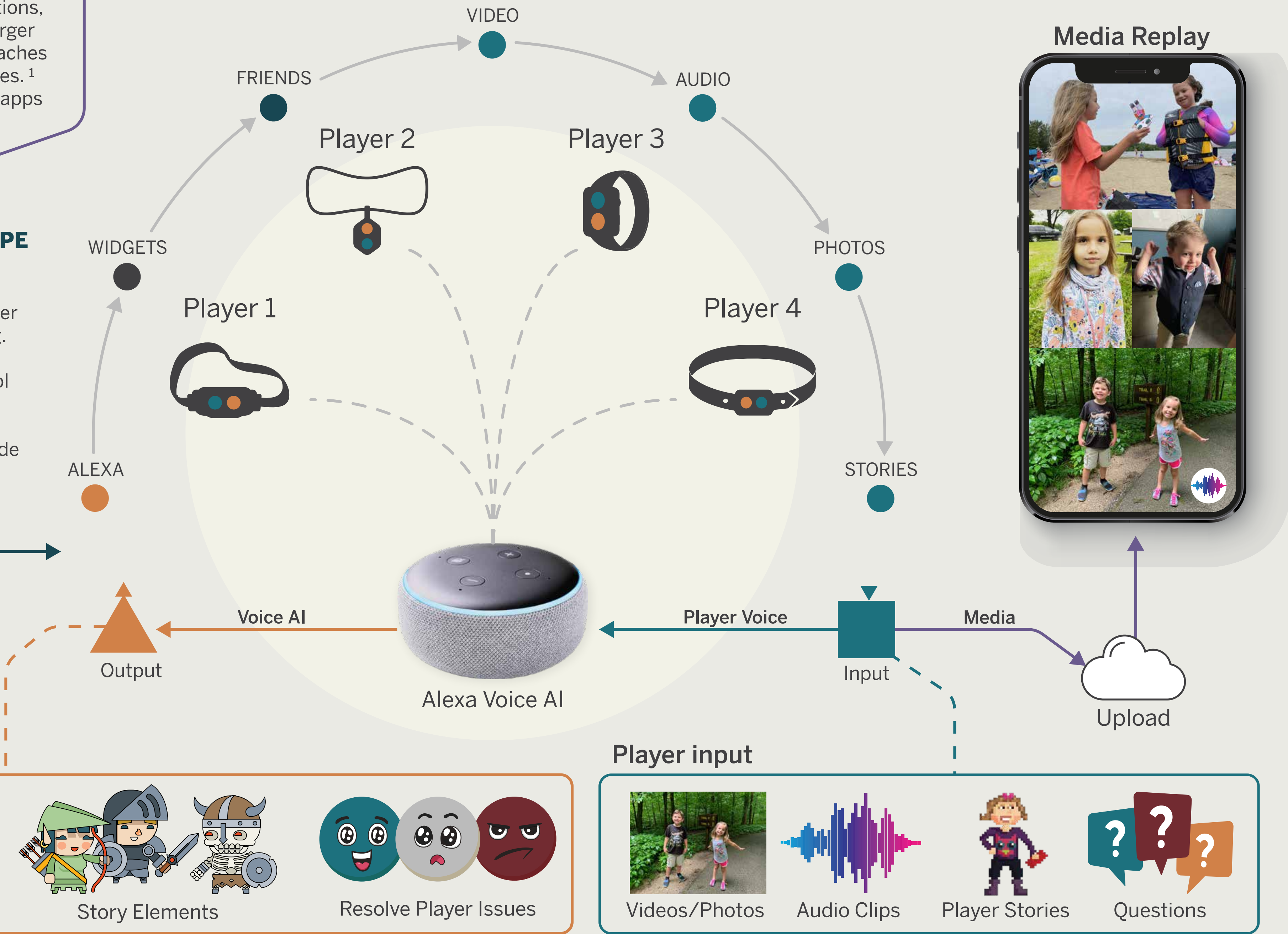
I needed to design a storytelling tool for children that fosters generative storytelling by inspiring collaboration with a high level of engagement.

DESIGN CONSTRAINTS

Kids have high energy, reading limitations, low attention span, and limited fine motor skills. The design considers these factors.

DESIGN PROCESS

Through literature review, expert interviews, contextual observation, and user testing, I formed insights that led to this design.



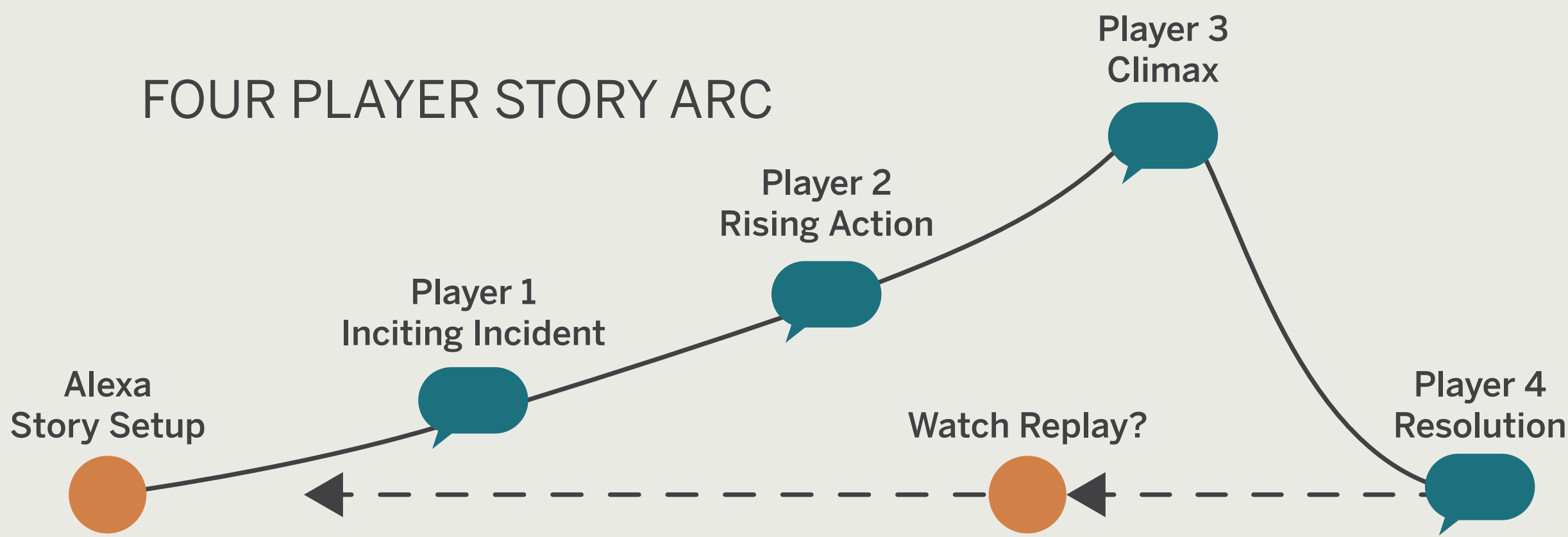
Alexa and Player 1

- ▲ ... and then you find the dragon outside. What do you do next?
- I'd punch it! ▲ You can do better than that! What else happens?
- Well, I'd probably take a picture of it first, and then I'd go get my...

Players 2 & 3 using their widgets to capture content

- I'm going to take a photo of you while she's talking, are you ready?
- Haha! Ok, I'm going to run around like a dragon, take a video!
- I think I got a good one, do you want to take a video of me?

FOUR PLAYER STORY ARC



CONTEXTUAL RESEARCH

I observed children engaged with two storytelling tools. Analysis showed that kids quickly become disinterested in tools that leave it all up to their own imaginations. The other showed higher engagement, but required little imagination. Neither elicited collaborative play.



ONBOARDING SCREENS FOR ALEXA-CAPABLE DEVICES

