**\*Please make a copy of this document and include this in your GitHub repository for your submission, using the tag #AndroidDevChallenge\***

**Tell us what your idea is.**

*Describe in 250 words what the feature or service will do and how you’ll use Machine Learning to push the bar:*

*To reduce kids TV time, introduce a system where they need to earn TV time. These points can be earned by answering a few basic questions on the TV screen. These questions can be from current affairs, English word meaning, spell check, make sentences, basic maths table, brain teasers. These questions will keep kids engaged for sometime and will be helpful in reducing screen time. If kids answers are correct then they earn points. They can use these points next day or during holidays. Kids complain only if parents try to regulate TV time, kids are ok if machine does the same thing. .*

*Android device shall use on device machine learning to create these questions. ML can derive tests based on following data*

*Previous TV show audio to text*

*Wearable device data indicating kids physical activity*

*Parents can gift Tv time*

*.*

We can name it ‘TV Time Quota Management’.

**Tell us how you plan on bringing it to life.**

*I have not started working on this idea. As part of implementation i am planning to create android app which will have UI for displaying test questions and answer them. App will have local database which will contain test questions. App will have ML module to generate these questions. I need Google help to guide me on following.*

* *How to design and implement UX of my app. I have not created any app which can be deployed.*
* *How to generate Test patterns(English/Maths/…) using on-device ML*
* *This app is more suitable for ANdroid TV, it will be great if you can put this as system app*

*Timeline*

1. *Dec-30 : finalize the high level design*
2. *Jan-31: Finish ML module design*
3. *Feb-28; Finish UI design*
4. *April-30: Finish coding*

**Tell us about you.**

I have been working on Android TV Framework. I have a basic understanding of App development.

**Next steps.**

* Be sure to include this cover letter in your GitHub repository
* Your GitHub repository should be tagged #AndroidDevChallenge
* Don’t forget to include other items in your GitHub repository to help us evaluate your submission; you can include prior projects you've worked on, sample code you've already built for this project, or anything else you think could be helpful in evaluating your concept and your ability to build it
* [**The final step is to fill out this form to officially submit your proposal.**](https://docs.google.com/forms/d/e/1FAIpQLSe43koQL33IzgxXQl29Ex3AhFuqd4hQzxLiXREqwRkDGtx1vA/viewform?usp=sf_link)