**Astronomy App**

**Team:**

Team Name: Astronomy Group

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**Summary:**

This application is meant to encourage the 6th – 8th grade YOUmedia students at the Humboldt Park Library to be more interested in STEM activities. Our goal is to get them to learn about astronomy, and get them to use the SkyQuest XT6 telescope that was donated to the YOUmedia program by the Adler Planetarium.

**General:**

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| --- | --- |
| Purpose of the application | Educate children in astronomy and add interest in STEM |
| Five UI elements used | quiz, fun facts, star map, links, motivational activities |
| Two presentation elements used | list view (fun facts), map (star map) |
| Three activities of the application | astronomy quiz, interactive map, speed calculator, fun facts |
| Local storage used | in app for pictures and on web for videos |

**Extra Credit (Maximum of 2):**

|  |  |
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| **Options** | **Yes / No** |
| [FCM](https://developers.google.com/cloud-messaging/) for Push Notifications | no |
| Maps / Location based services | yes (star charts?) |
| Sensors (Fingerprint, NFC, Accelerometer, etc.) | yes (star charts?) |
| Services for background execution | no |
| JUnit testing for Android | no |
| Social media integration (Facebook API, Twitter API, etc.) | no |
| Google Analytics for Android | no |
| Dynamic data consumption from web services | no |
| Publishing to Google Play | yes |