Assignment 6: Milestones, Timeline, and Effort Matrix

The IT Cruisers

1. Milestones
   1. Set-up biweekly meetings with Dave Keith (project advisor). (Deadline: October 8)
   2. Create frontend mockups. (Deadline: October 15)
   3. All members have working environments ready for development. (Deadline: October 22)
   4. Database requirements have been defined. (Deadline: November 5)
   5. Frontend prototype is made (not including final styling). (Deadline: December 27)
   6. Establish QA testing infrastructure. (Deadline: December 17)
   7. Database structure is in place. (Deadline: Dec
   8. Backend APIs are created. (Deadline: December 27)
   9. Frontend styling finished. (Deadline: January 21)
   10. APK is available for download. (Deadline: February 28)
   11. Deploy Choosr to Play Store. (Deadline: March 1)
2. Timeline

| **Task #** | **Linked Milestone** | **Task** | **Deadlines** |
| --- | --- | --- | --- |
| 1 | 1.2 | Specify which frontend library to use. | October 10 |
| 2 | 1.2 | Create mockups of frontend design for each page. | October 15 |
| 3 | 1.5 | Develop simple transitions between screens. | December 3 |
| 4 | 1.5 | Develop loading screens while APIs execute. | December 10 |
| 5 | 1.6 | Optimize loading times to minimize wasted resources. | February 18 |
| 6 | 1.6 | Develop APIs for data retrieval. | December 27 |
| 7 | 1.3 | Investigate Multi-platform deployment from Xamarin. | October 20 |
| 8 | 1.8 | Prototype network app loop response. | February 1 |
| 9 | 1.8 | Test network connectivity between multiple users in Xamarin. | February 1 |
| 10 | 1.8 | Ensure network security between users. | February 1 |
| 11 | 1.7 | Get database requirements from frontend. | November 5 |
| 12 | 1.7 | Decide which database platform to use | November 12 |
| 13 | 1.7 | Design and implement database structure. | December 24 |
| 14 | 1.6 | Gather QA resources to test applications. | November 23 |
| 15 | 1.6 | Enable user feedback during app use. | November 23 |
| 16 | 1.11 | Test app store downloads and first launches to ensure easy use for first time users | April 5 |
| 17 | 1.11 | Record a tutorial for the use of the app | April 15 |
| 18 | 1.6 | Develop multiple test cases to be run against in each build.. | February 17 |
| 19 | 1.6 | Run build cycle testing sessions to narrow down bugs. | March 23 |

1. Effort Matrix

\*NOTE: The values are percentages

| **Task #** | **Taylor** | **Sam** | **Domas** | **Jeffrey** |
| --- | --- | --- | --- | --- |
| 1 | 70 | 30 | 0 | 0 |
| 2 | 100 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 100 |
| 4 | 0 | 0 | 0 | 100 |
| 5 | 0 | 50 | 50 | 0 |
| 6 | 50 | 0 | 50 | 0 |
| 7 | 0 | 40 | 0 | 60 |
| 8 | 0 | 30 | 30 | 40 |
| 9 | 25 | 25 | 25 | 25 |
| 10 | 0 | 0 | 70 | 30 |
| 11 | 20 | 0 | 80 | 0 |
| 12 | 10 | 0 | 90 | 0 |
| 13 | 40 | 0 | 60 | 0 |
| 14 | 50 | 50 | 0 | 0 |
| 15 | 80 | 0 | 20 | 0 |
| 16 | 25 | 25 | 25 | 25 |
| 17 | 0 | 100 | 0 | 0 |
| 18 | 0 | 80 | 0 | 20 |
| 19 | 25 | 25 | 25 | 25 |