

Implementation constraints table for Android Blackjack game

Constraint	Description	Possible effect on product	Solution
Hardware and software platforms	Targets only the Android OS, requires version 16+ of SDK	Limits potential user base (excludes IOS, and about 2% of Android install base)	Develop an IOS version in Swift, and versions for other mobile platforms if needed
Performance requirements	Tested only on device with 2gb ram	Performance may be inadequate on devices with lesser specs	Test on devices with less ram and lower clock speeds; if necessary tweak visuals and optimise code
Usability	Unsuitable for blind or partially-sighted users, requires ability to use a touch screen, only available in English	Limits potential user base by excluding certain groups	Spoken-word and voice-operated interface, translations
Budgets	No budget	Limits viability of spending significant time on app improvements	If further development of interest, seek funding
Time limitations	1 week development time	Limited feature scope, insufficient time to test on different devices	Dedicate time to testing on a range of devices of varying screen size and performance