This thesis deals with the development of MorphoView application for Android mobile devices. The application can be used for viewing triangular meshes with texture and possibly other attributes. It will be used primarily for data presentation in geometric morphometry (facial scans, palate). During development, emphasis was placed on robustness, ease of use and the possibility of easy future expansion of other data layers. A client–server system has been designed and implemented, in which models are downloaded from the server to the mobile device as needed. Easy distribution of access information uses QR codes, privacy of scanned individuals is sufficiently protected. The author of the thesis developed a complete client part, not a server.