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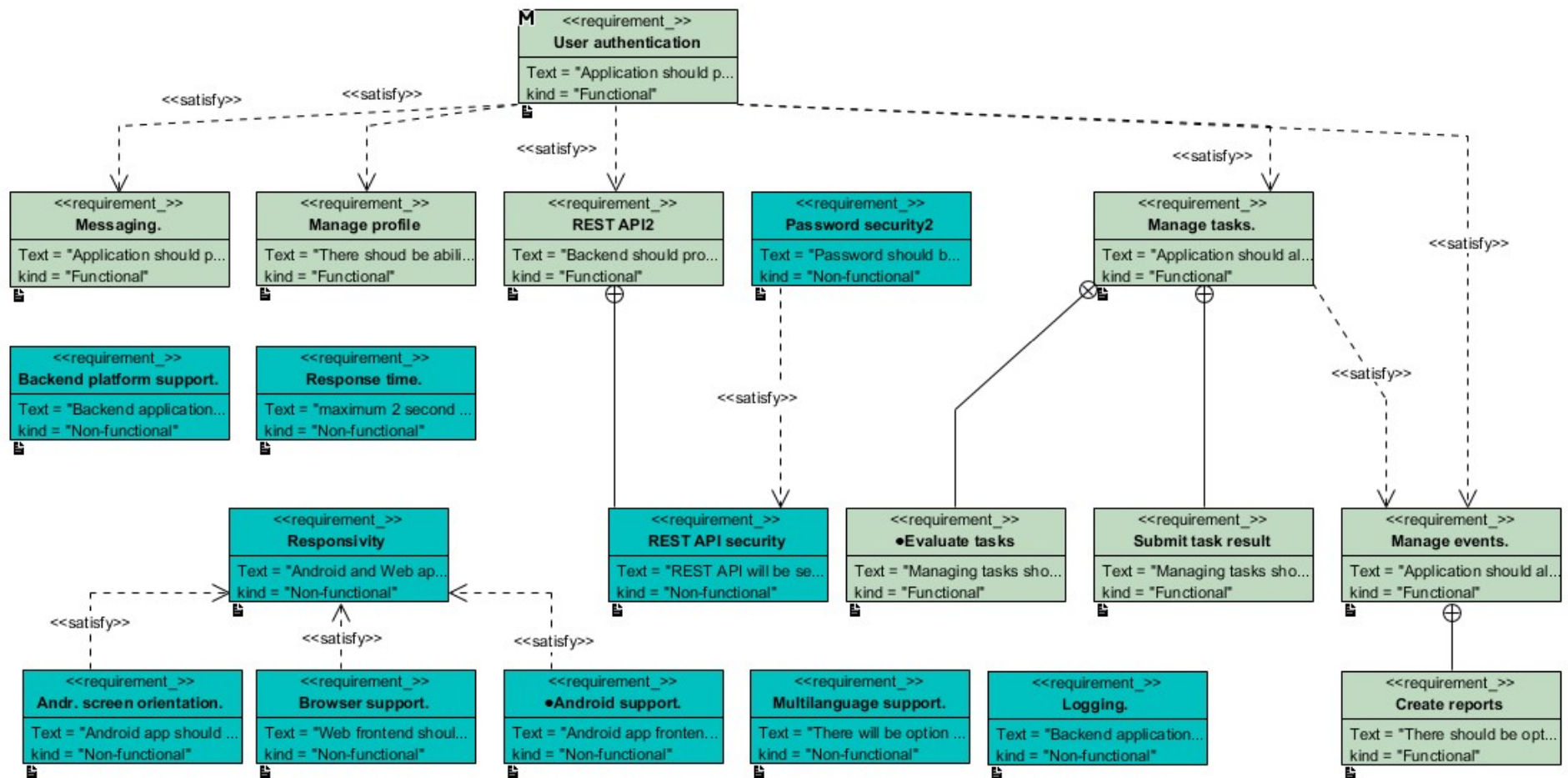
Functional requirements

ID	Title	Description
1	User authentication	User can sign up and sign in
2	Manage events	User can create events
3	Manage tasks	User can create tasks for specific event
4	Submit task results	User can submit task results (upload photo, video or audio)
5	Evaluate tasks	User can assign points for accomplished tasks
6	Create reports	User can create reports for past events
7	Messaging	User can send private messages
8	Manage profile	User can view user profile
9	REST API	Server app should provide unified API

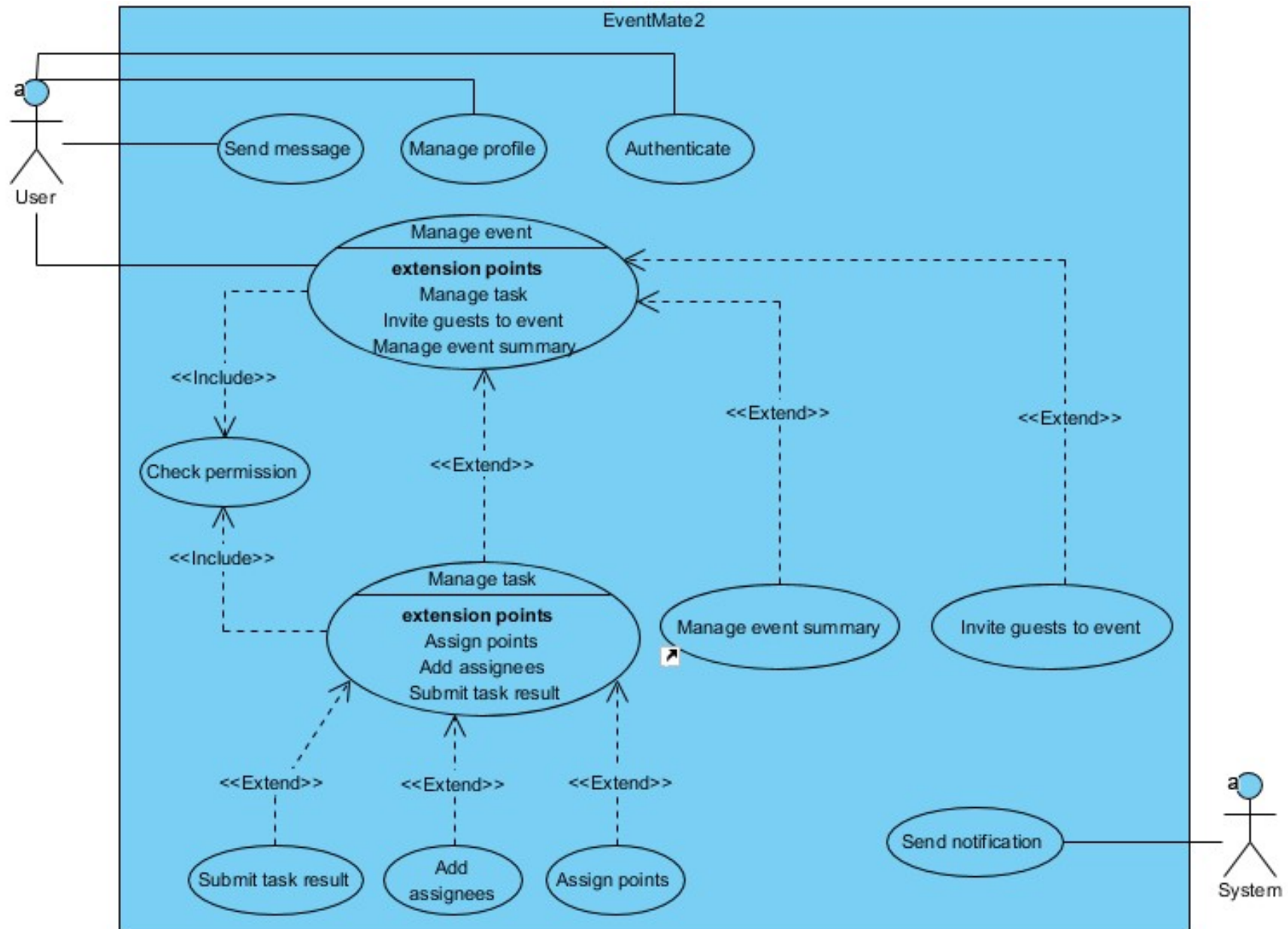
Non-functional requirements

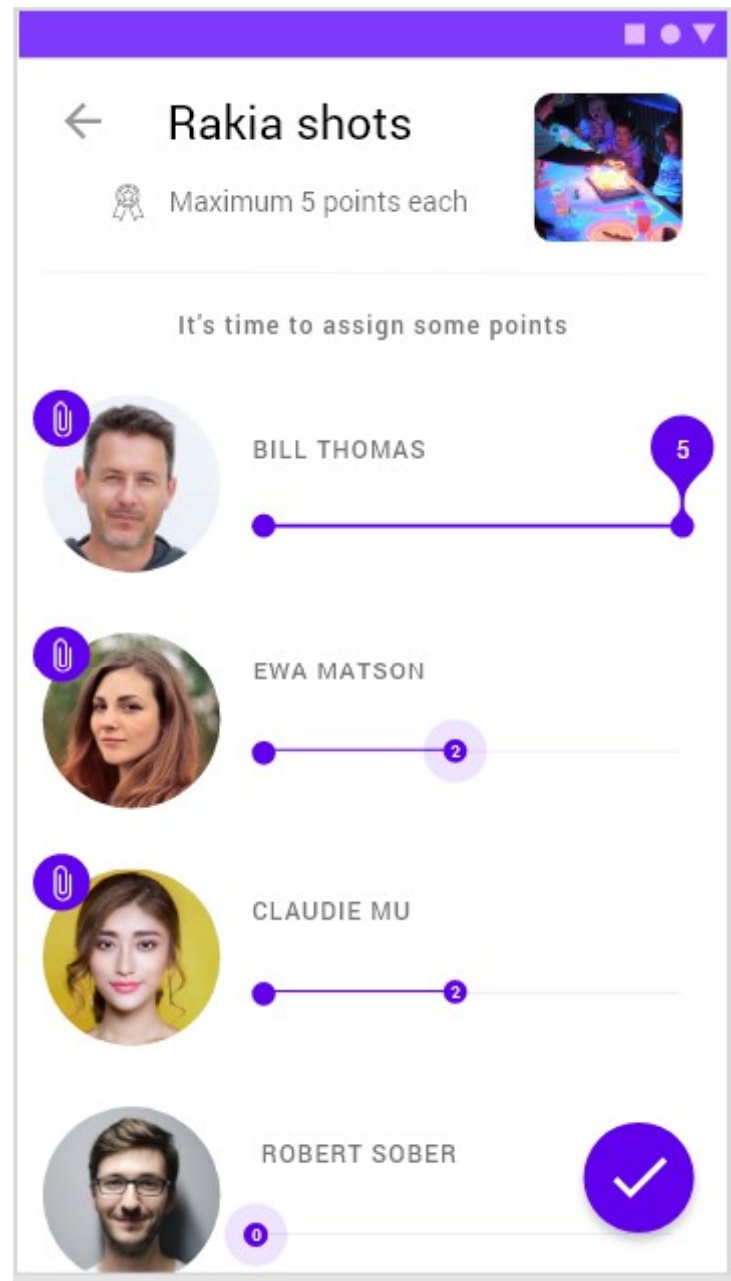
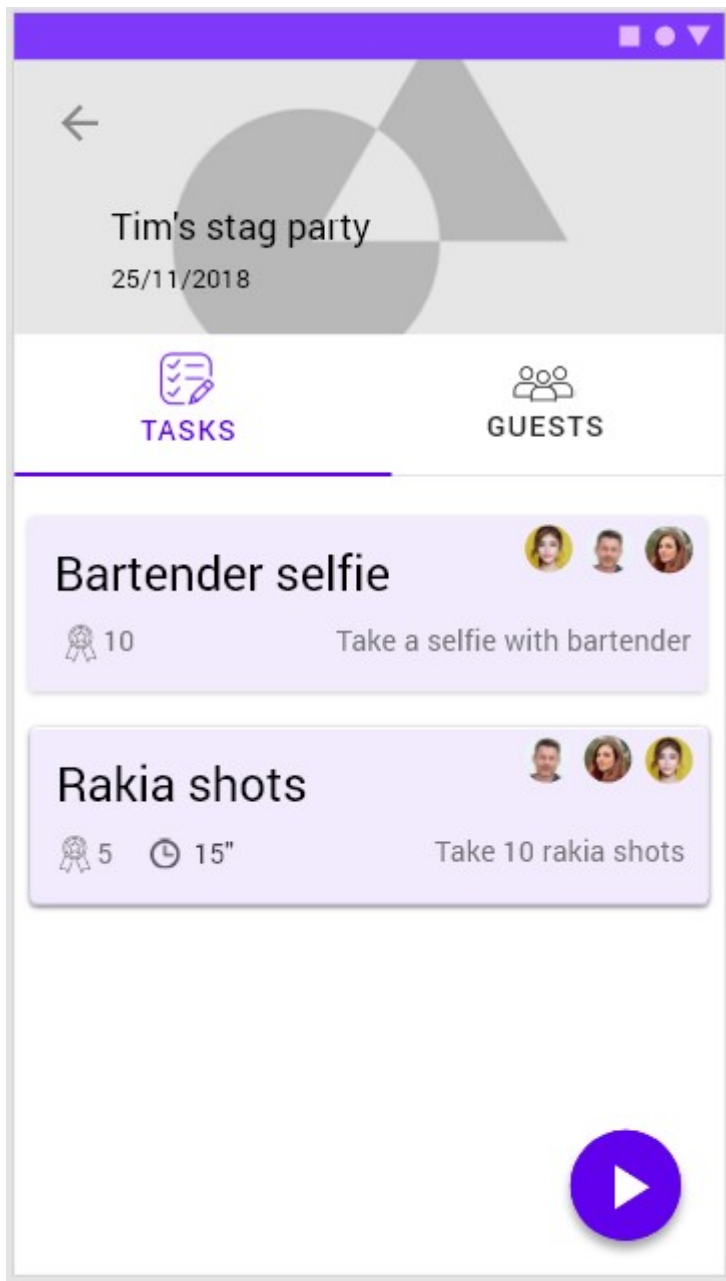
ID	Title	Description
10	Supported Android version 6 – 8	Application should be supported by Android version 6 to 8
11	Supported Web version by all browsers	Web application should be supported by all main browsers
12	Responsivity Android frontend	Application should provide responsive design
13	Android app available in portrait mode	Application should work in portrait mode
14	Maximum response time of 2 seconds	Android app response time shouldn't longer than 2 seconds
15	Backend platform support	Server app should be runnable on Windows and Linux
16	Multilanguage support	Both clients application should support multiple languages
17	Password security	Passwords should be encrypted by Bcrypt
18	Log rotation ability	Server application should provide log rotation
19	API response time	Maximum API response time 2 second

Requirements diagram



Use case diagram

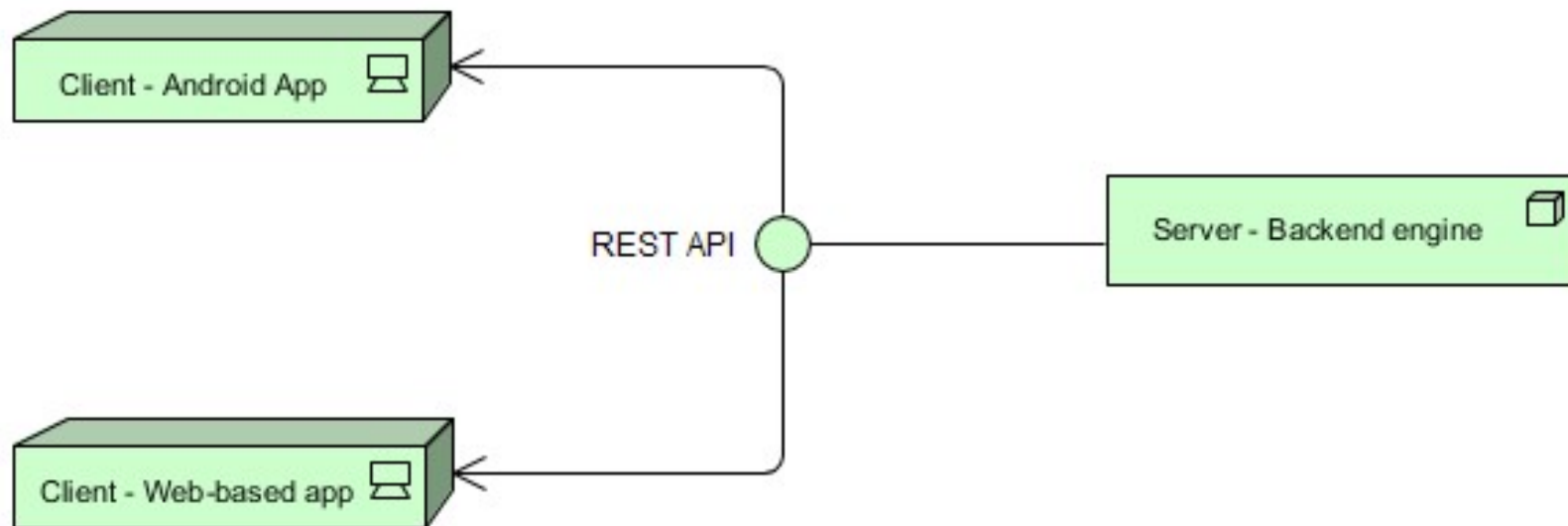


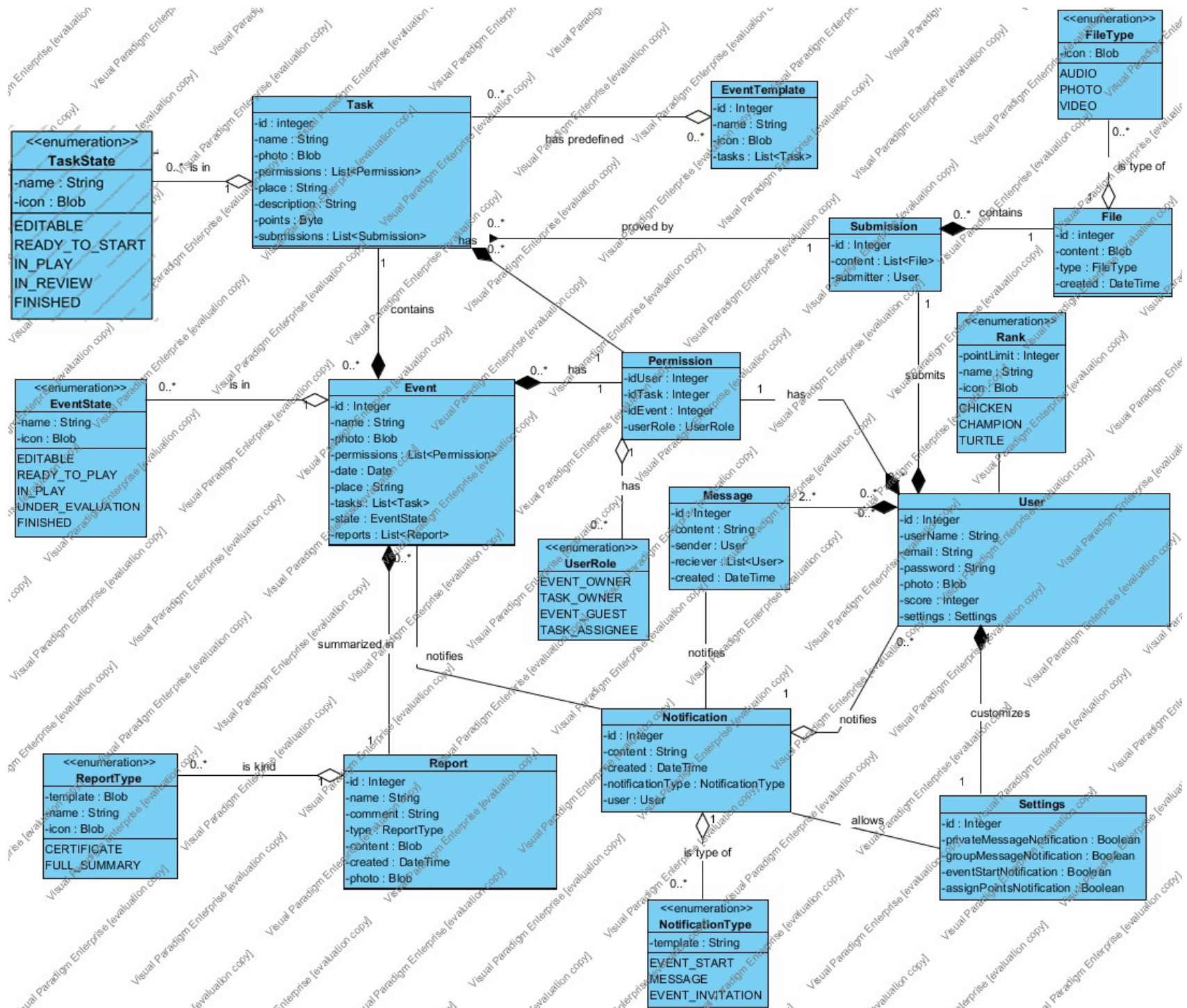


Architectural design

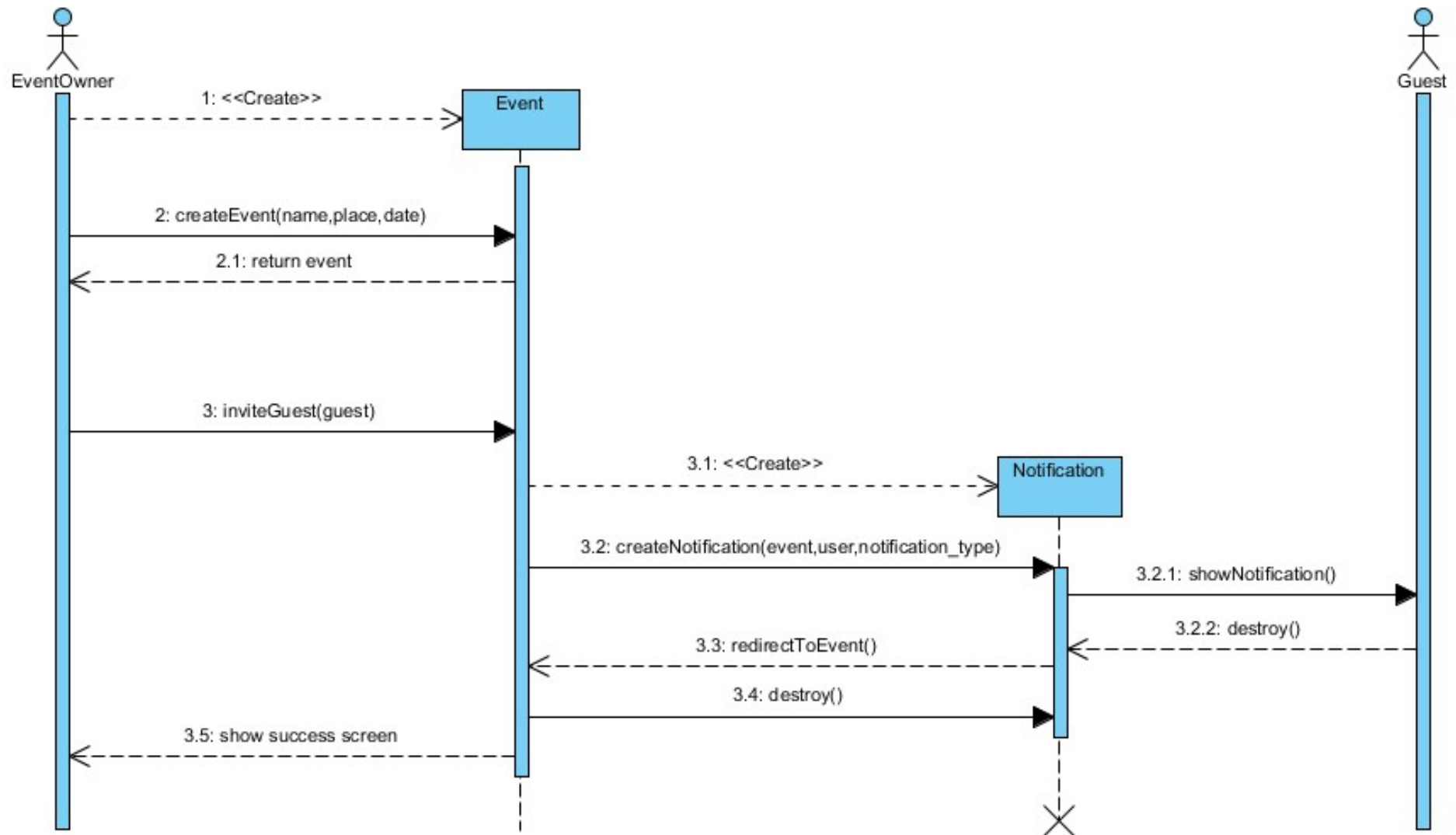
Client server architecture

- Data availability for cooperation of many users
- More than one type of client (unified API)





Sequence diagram



Creating event with inviting guests on Android app