



Petra Cendelínová
Petr Kalas

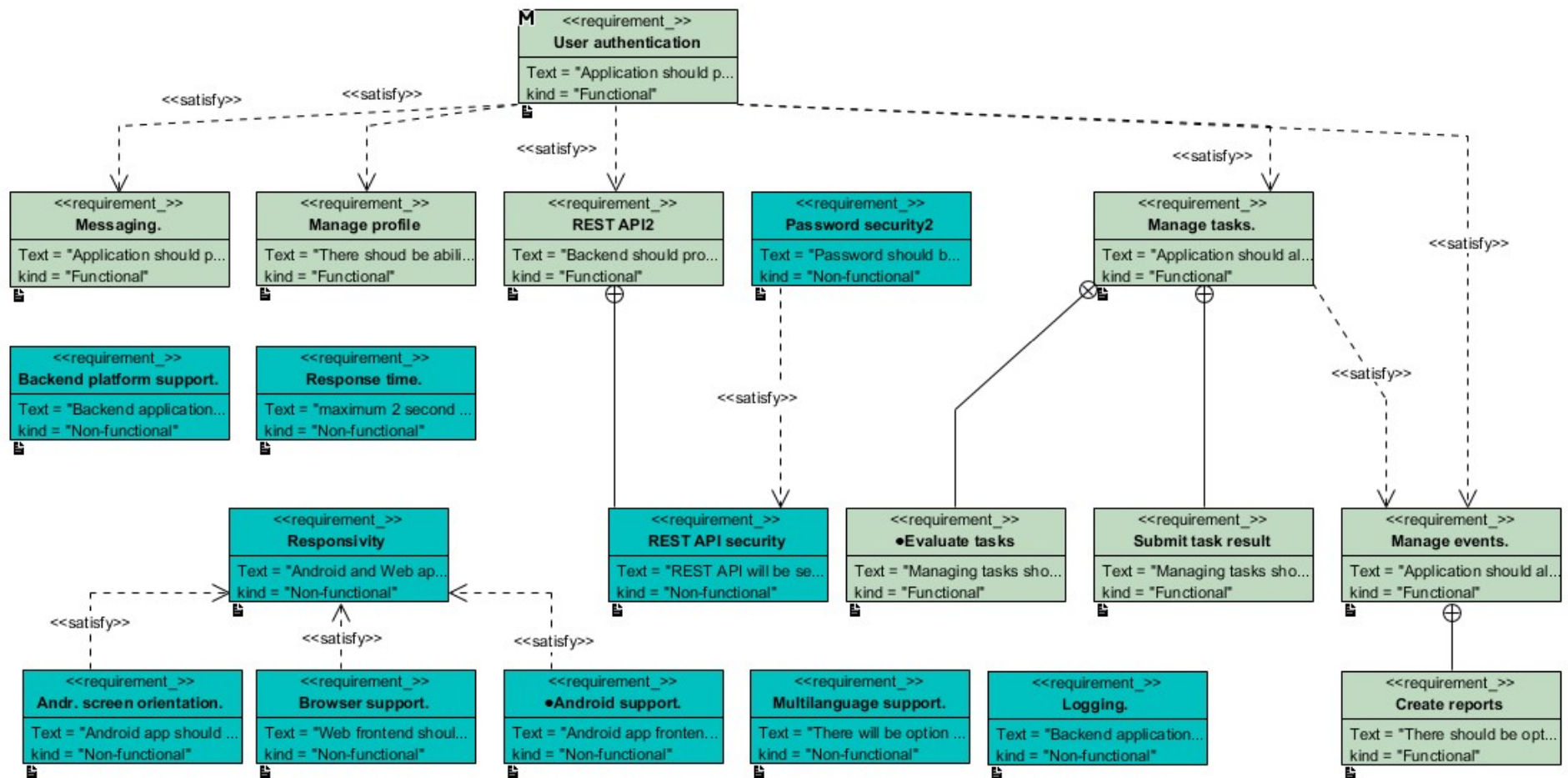
Functional requirements

| 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 |

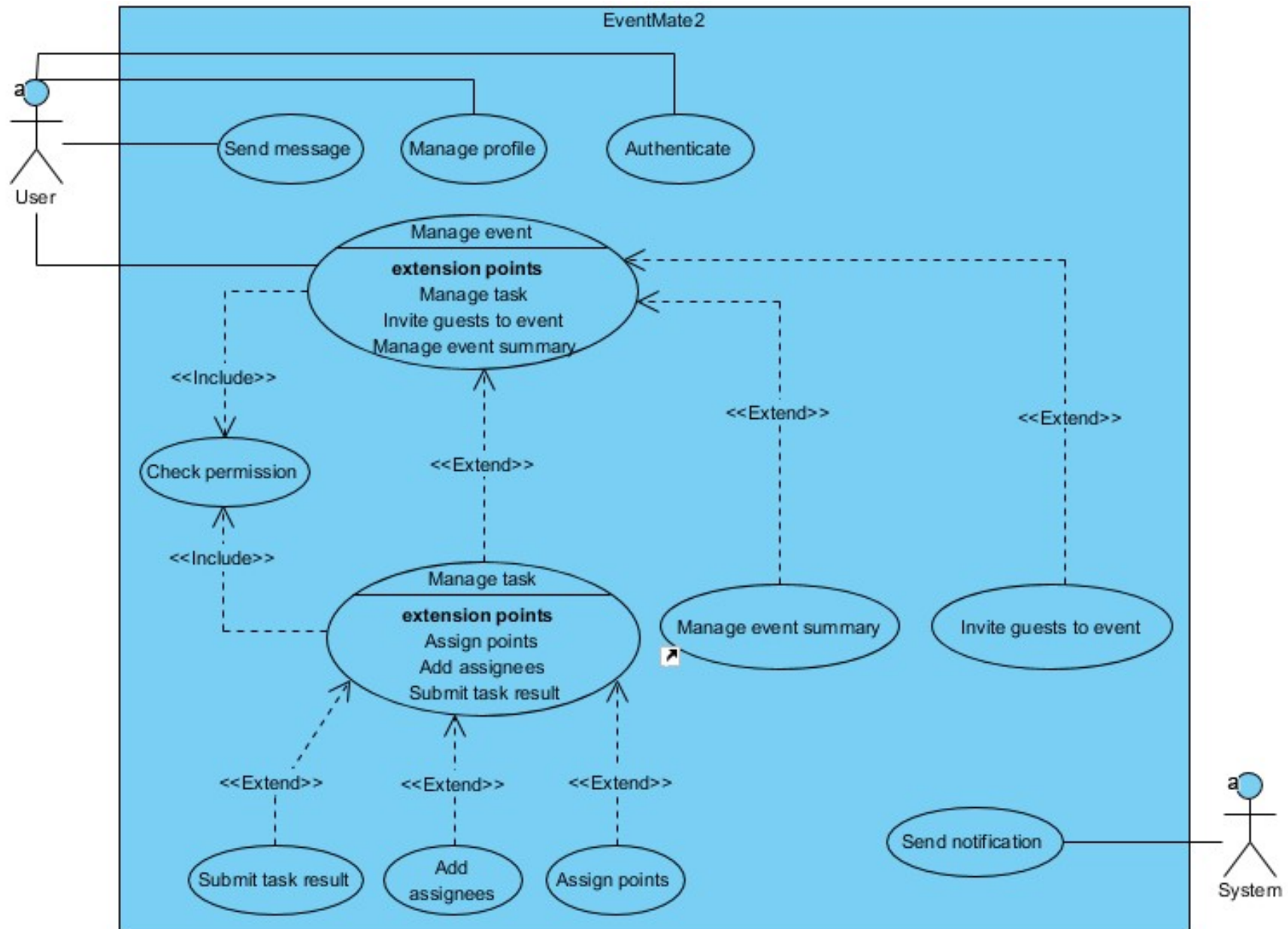
Non-functional requirements

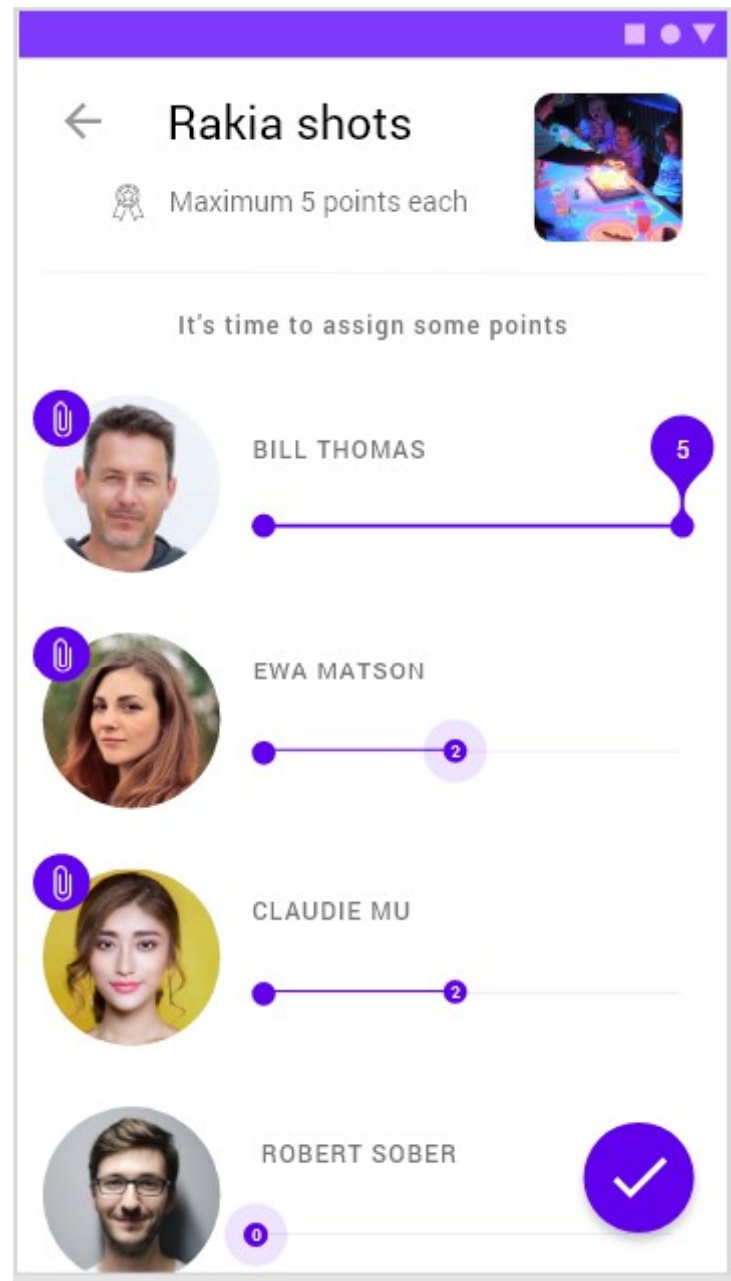
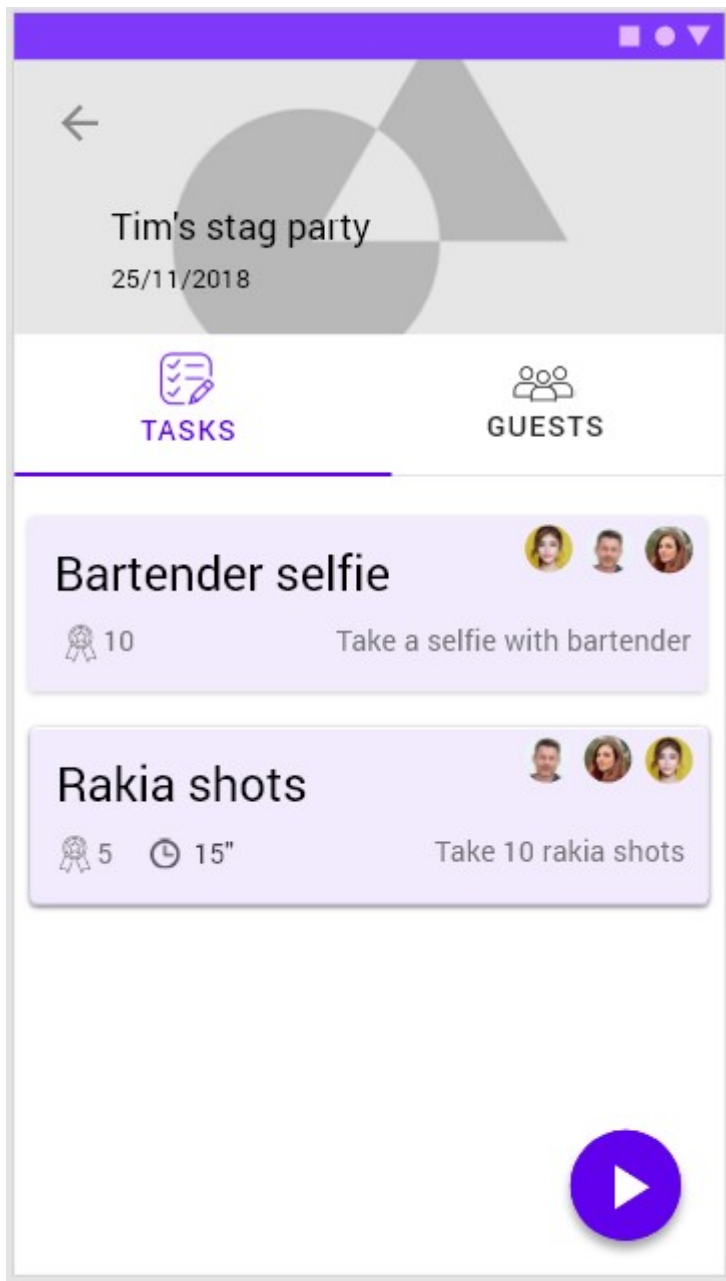
| ID | Title | Description |
|----|--|--|
| 10 | Supported Android version 6 – 8 | Application should be supported by Android version 6 to 8 |
| 11 | Supported Web version by all browsers | Web application should be supported by all main browsers |
| 12 | Responsivity Android frontend | Application should 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)

