# 1. Concrete Quality Attribute Scenarios

**1.1.** The first scenario presents a risk. The system might not comply with the performance requirement, which specifies taking less than 1-second give to complete any task given.

**1.2.** The second scenario presents a risk. The system does not require email and a password, which can compromise the application's security.

**1.3.** The third scenario presents a trade-off. The possibility of login in just using the username can compromise the system security. But, provide usability of the application.

**1.4.** The fourth scenario presents non-risk. The user is forbidden to create empty items.

**1.5.** The fifth scenario presents non-risk. The user gets a confirmation of valid items.

**1.6.** The sixth scenario presents a sensitive point. The change from an external source can disagree with the user data. The data conflict may be analyzed and merged before being pushed.

**1.7.** The last scenario presets non-risk. The system can threat many requisitions at the same time by controlled access to data.
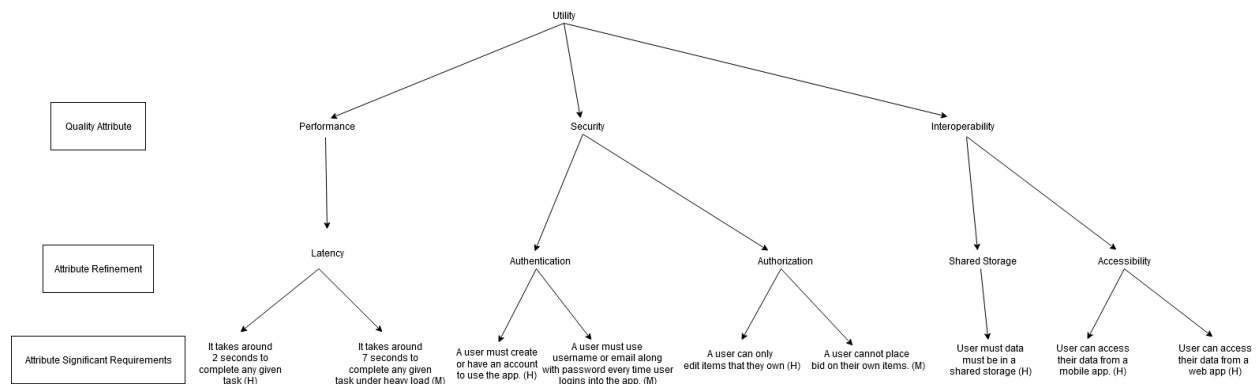
# 2. Utility Tree



Figure 1: Utility Tree