

## 1. A Calendar Software

### 1.1 Views

1.1.1 Monthly view: show all days in a month, and event snippet for each day

1.1.2 Weekly view: show all days in a week, and event snippet for each day

1.1.3 Daily view: show all events in a day, sorted by their starting time

1.1.4 Agenda view (optional): show all events in future as a list

### 1.2 Events

1.2.1 Add an event with starting and ending time

1.2.2 Check time conflicts when adding events

1.2.3 Add weekly periodical events

1.2.4 Edit & delete events

1.2.5 Event alert (optional)

1.2.6 Add/delete event categories

1.2.7 Color marking for different category of events

### 1.3 Share (optional)

1.3.1 Send event to other calendar users (requiring their permission) through internet

### 1.4 Other

1.4.1 Holidays & weekends should be in special colors

1.4.2 Zoom in/out, and scroll support when necessary