**Software Requirements Specification (SRS)**

**For Flaming Penguins Calendar System**

**Definitions, Acronyms, and Abbreviations**

|  |  |
| --- | --- |
| **FP** | **Flaming Penguins** |
| **Flaming Penguins Calendar System** | **The calendar** |

**Functional requirements**

1. The calendar app shall allow for a monthly view of the events.  
   1.1 User will be able to see the days in the month.  
   1.2 User will be able to see the snippets of the events in that month.  
   1.3 User will be able to click an event snippet to see more detail of the event.  
   1.4 User will be able to click an empty day to be brought to a daily view of that day.
2. The calendar app shall allow for a weekly view of the events.  
   2.1 User will be able to see the days of that week.  
   2.2 User will be able to see the snippets of the events in that week.  
   2.3 User will be able to click on an event snippet to see more detail of the event.
   1. User will be able to click an empty day to be brought to a daily view of that day.
3. The add event function shall allow users to create an event with a start and end time.
   1. The user shall be able to pick a specific day in which to add the event.
   2. The function shall require: start time, end time, and event name.
   3. The function shall provide a reminder to the user of the upcoming added event(if requested).
   4. The user shall be able to add event in any of the calendar views.
4. The daily view will allow the user to see all events planned on a certain day with start and end times.
   1. The user shall be able to see events for a certain day chronologically.
   2. The user shall be able to change/reschedule events in a certain day.
   3. The user shall be able to see daily events in block format, with the start and end times of events in the day they select to view.
   4. The user shall be able to delete events in the daily view.
   5. The user shall be able to add events in the daily view.
5. Check time conflicts when adding events
   1. The system shall inform the user that there is a time conflict or time overlap with a preexisting event
   2. The system shall ask if the user would like to overwrite the existing event with the new event
6. Add weekly periodical events
   1. The system shall give the user an option to make an event weekly.

7. Edit & delete events

7.1 The system shall allow edit existing events.

7.2 The system shall allow edit event’s Name, Day, Time, Priority, and Notes.

7.3 The system shall allow deleting of existing events.

7.4 The system shall ask the user to confirm a deletion of an event before deleting the event.

8. Add/delete event categories

8.1 The system shall allow the user to add event categories.

8.2 The system shall check if the name of the event categories exist or not.

8.3 The system shall allow the user to delete event categories.

8.4 The system shall display a confirmation of deletion before deleting an event category.

8.5 The system shall allow the user to view event categories.

**Use Case Diagram**

