**HOLIDAY PLANNER SPEC (OBJECTS/FUNCTIONALITY)**

OVERVIEW:

Develop a holiday planner app using backbone.js which allows user to book holiday time while maintaining a view of other employees booked days and updating the users remaining available days. This app allows for the user to book holidays for the current year or next year, with each holiday calendar year starting on janruary 1st

DELIVERY DATE:

1st October

**HOLIDAY PLANNER VIEWS**:

SUMMARY VIEW:

List of all staff/team members. For each staff member display the following:

a. number of entitled days for current year

b. days carried forward from previous year

c. total remaining bookable holiday days

d. number of holiday days booked/ taken

f. number of sick days taken

e. number of out of office days booked/ taken

f. number of maternity days booked/ taken

g. compassionate leave taken

CALENDAR VIEW:

List of all months for the current year, each month listed as a row with one row for each employee name. Status of each calendar day to be represented by a color and letter.

Letters/ colors corresponding to status: (colours to be confirmed by designer)

DAY LETTER COLOUR

Unbooked: none // white

Weekend: none // grey

Bank Holiday: B // orange

Maternity Leave: M // blue

Sick Leave: S // blue

Out of Office: O // purple

Holiday (fully day): H // green

Holiday (half day): .5H // green

**FUNCTIONALITY:**

DAY STATUS SELECTION

User selects status of a day by clicking on calendar day. Day is not selectable if it is a weekend or bank holiday. Day selction opens a dropdown with a list of options. Clicking on an option updates the letter and color of the selected day, saves the data to the appropriate object (backbone model) and closes the dropdown.

Dropdown options:

[reset, full holiday, half day holiday, sickday, compassionate leave, Out of office, Maternaty]

Reset will initialise seclected day to the default setting

YEAR SELECTION

User clicks on arrows at top of the page to scroll to next or previous year for both the summary and calendar view pages

VIEW NAVIGATION

Switch between calendar and summary views by top navigation directing user to summary.htm and calendar.htm pages

SAVE – occurs automatically each time a user updates a day status

MULTIPLE USERS - only one user can use the app at a time

ADDITIONAL FUCTIONALITY -– ability to save to google calendar – to be considered after initial calendar completed

**WORK DELEGATION:**

SAVE VIA PHP

Chris armstrong to build functionality to save userdate json file locally

DESIGN

Joey to design calendar and summary view pages

**TECH TO USE:**

JSON: learn to save to a json file

use HTML 5 local storage until php solution in place ?

Backbone.js

Moment.js for date/calendar info

**DEV TASK BREAKDOWN (total available days from sept 1 : 21 days)**

TASK DAYS

1. build static JSON object for calendar for years 2013, 2014 - 0 .5
2. build dummy user data for 3 users for testing backbone views - 0 .5
3. build summary model using dummy data(backbone) 1.0
4. build summary view (backbone) 1.0
5. build summary view (css) 0.5
6. build basic calendar view(backbone) 1.0

(output calendar days from JSON only without user data)

1. build calendar view (css) 1.0
2. build user holiday model (backbone) 1.0
3. build day type selector model 2.0
4. build calendar view status selection 1.0
5. build functionality for users to change status of day and save to json object -

-update model 4.0

- dropdown model/view updates 4.0

R&D allowance 5.0

**SCHEDULE**

August 29-30th continue R&D, tasks A-C buid dummy data, calendar data, summary model

sept 6th – Basic Calendar model and view complete, build data structures

sept 13th – complete data structures, day view/selection model and view built

sept 20th – calendar day functionality with local storage saving complete

Sept 24th All basic dev work complete by end of day Sept 23th passed to Chris for php functionality

Sept 30th – testing and styling updates as designed by Joey complete