

```

#      Title:      Sample Project Tracking (TaskJuggler file)
#      Project:    2016SoE021_LANDIS_Upgrades
#      Author:     bmarron
#      Origin Date: 06 Sept 2016
#      Revision Date:

#####
###      [[project header]]      ####
#####

# syntax ==> project <your_project_id> "Your Project Title" start - end {}
# includes some globals

project tj_2016SoE021 "Programming Updates for LANDIS-II" 2016-09-05 - 2017-05-05 {
    timezone "America/Vancouver"
    currency "USD"
    currencyformat "(" " ")" " ", " " "." 2
    dailyworkinghours 3
}

# wk1    = start 2016-09-05
# wk2    = start 2016-09-12
# wk3    = start 2016-09-19
# wk4    = start 2016-09-26
# .....

#####
###      [[flags]]      ####
#####

# Define subsets w/ flags that can be filtered from reports
# Every container task level assigned a flag

#      flag1    = Management Tasks
#      flag2    = Programming and Training Tasks
#      flag3    = Milestone Tasks
#      flag4    = <open>

flags flag1,
      flag2,
      flag3,
      flag4

#####
###      [[accounts]]      ####
#####

# syntax ==> account <your_account_id> "Your Acct Name"
# global accounts: (1)account cost "Your Acct Name", (2)account rev "Your Acct Name"
# ids must be unique within their property class

account ProjectCost "Total Costs" {
    account Developer1 "Student1"
    account Developer2 "Student2"
    account Developer3 "Student3"
    account Manager1 "Marron"
}

```

```
account ProjectFunding "Total Funding"{
credits ${projectstart} "USFS Grant1" 50000
}

#MUST set a balance calc even if no revenue is being
tracked
balance ProjectCost ProjectFunding
```

```
#####
#### [[defaultRate]] #####
#####
```

```
#The expected default daily rate for ALL resources; global
#This can be overridden for each resource
#MUST be set to get 'cost' into taskreports
```

```
rate 60.00 #the default DAILY (here, 3h) cost of a
resource # 3h*$20/h = $60/d
```

```
#####
#### [[resources]] #####
#####
```

```
# syntax ==> resource <your_resource_id> "Your Resource Name"
# ids must be unique within their property class
# An effort of 6d (6 resource-days) can be done with 2 full-time resources in 3
working days
# see workinghours(project) for global settings; workinghours(resource) for local
settings
# to override default rate MUST define new rate at the individ resource level (not
team level)
```

```
#need 'resource clones' if same person works on multiple
projects during a single week
#o/w TJ will not pick up all worked hours for accounting
```

```
#---- Manager -----
resource bmarron1 "Bruce Marron" {
}
```

```
resource bmarron2 "Bruce Marron" {
}
```

```
resource bmarron3 "Bruce Marron" {
}
```

```
resource bmarron4 "Bruce Marron" {
}
```

```
resource bmarron5 "Bruce Marron" {
}
```

```
# -----Developer A
-----
resource devA1 "Student1" {
}
```

```
resource devA2 "Student1" {  
}
```

```
resource devA3 "Student1" {  
}
```

```
resource devA4 "Student1" {  
}
```

```
resource devA5 "Student1" {  
}
```

```
# -----Developer B
```

```
resource devB1 "Student2" {  
}
```

```
resource devB2 "Student2" {  
}
```

```
resource devB3 "Student2" {  
}
```

```
resource devB4 "Student2" {  
}
```

```
resource devB5 "Student2" {  
}
```

```
# -----Developer C
```

```
resource devC1 "Student2" {  
}
```

```
resource devC2 "Student2" {  
}
```

```
resource devC3 "Student2" {  
}
```

```
resource devC4 "Student2" {  
}
```

```
resource devC5 "Student2" {  
}
```

```
#####  
#### [[tasks]] #####  
#####
```

```
# *attributes: allocate, effort/length/duration, complete, depends, start, end  
# *syntax ==> task <your_task_id> "Your Task Name"  
# *unlike all other properties, tasks have a hierarchical id name space ==> can  
# repeated subtask codes!  
# *watch start/end dates!!  
# *watch effort!! Only one value allowed per task  
# *Container level tasks cannot have any 'effort'
```

```

# *syntax ==> allocate team5, team6
# *'effort' partitioned equally: a team of 5 people can only be assigned en block;
ALL work

##===== Management (ADM)
=====

#      ManagementTask#      = MT#

#      MT1      = Management Structure
#      MT2      = Recruitment
#      MT3      = Trainings

task mngmnt "PROJECT MANAGEMENT" {                                #Tier_1.0.0.0 (container level task)
    flags flag1
    chargeset Manager1
}

task MT1 "Management Structure" {                                #Tier_1.1.0.0
    task wk1a "Develop Task/Cost Accounting"{                    #Tier_1.1.1.0
        start 2016-09-05
        allocate bmarron1
        length 10h
    }

    task wk1b "Develop Workflow Accounting"{
        start 2016-09-05
        allocate bmarron2
        length 2h
    }

    task wk1c "Develop GitHub/Project Tracking Interface"{
        start 2016-09-05
        allocate bmarron3
        length 2h
    }

    task wk2a "Develop Workflow Algorithm"{
        start 2016-09-12
        allocate bmarron1
        length 5h
    }
}

task MT2 "Recruitment" {                                #Tier_1.2.0.0
    task wk2b "Job Description"{                                #Tier_1.2.1.0
        start 2016-09-12
        allocate bmarron2
        length 2h
    }

    task wk2c "Job Postings/Notifications"{
        start 2016-09-12
        allocate bmarron3
        length 3h
    }
}

```

```

task MT3 "Trainings" {
    task wk6a "Kickoff Mtg"{
        start 2016-10-10
        allocate bmarron1
        length 2h
    }
}

##===== Programming =====

#      OverHead#      = OV#

#      OV1      = Basic Trainings
#      OV2      = LANDIS Trainings
#      OV3      = Status Mtgs

#----- Overhead
-----

task overhead "PROJECT OVERHEAD" {
    flags flag2
}

task OV1 "Basic Trainings" {
}

# wk6 starts 2016-10-10; wk6 has had three separate task tickets (a,b,c) arrive;
#each of the three student programmers has allocated resources to a task ticket;
#the task tickets are all for the same task ("Kickoff Mtg")

task wk6a "Kickoff Mtg"{
    start 2016-10-10
    chargeset Developer1
    allocate devA1
    length 2h
}

task wk6b "Kickoff Mtg"{
    start 2016-10-10
    chargeset Developer2
    allocate devB1
    length 2h
}

task wk6c "Kickoff Mtg"{
    start 2016-10-10
    chargeset Developer3
    allocate devC1
    length 2h
}

task OV2 "LANDIS Trainings" {
    task wk7a "LANDIS Training1"{

```

```

    start 2016-10-17
    chargeset Developer1
    allocate devA1
    length 2h
}

task wk7b "LANDIS Training1"{
    start 2016-10-17
    chargeset Developer2
    allocate devB1
    length 2h
}

task wk7c "LANDIS Training1"{
    start 2016-10-17
    chargeset Developer3
    allocate devC1
    length 2h
}
}

task OV3 "Status Mtgs" {
    #Tier_1.3.0.0
    #Tier_1.3.1.0

    task wk9a "Status Meeting1"{
        start 2016-10-31
        chargeset Developer1
        allocate devA1
        length 1h
    }

    task wk9b "Status Meeting1"{
        start 2016-10-31
        chargeset Developer2
        allocate devB1
        length 1h
    }

    task wk9c "Status Meeting1"{
        start 2016-10-31
        chargeset Developer3
        allocate devC1
        length 1h
    }
}
}

#----- GitHub Branch Issue Sets
-----

#      GitHubBranch      = GHB#

#      GHB1 = Extension-NECN-Sucession
#      GHB2 = Library-Climate
#      GHB3 = Extensions-Succession
#      GHB5 = Tool-L2-Site
#      GHB6 = Extension-Biomass_Exten
#      GHB11= Core-Model
#      GHB27 = Extension-Biomass_Harvest
#      GHB30= Tools
#      GHB36 = LANDVIZ-Development

```

```

#Tier_2.0.0.0 (container task level)
task issuesets "PROJECT GitHub BRANCH ISSUES"{
    flags flag2

#Tier_2.1.0.0
task GHB11 "Core-Model" {

#Tier_2.1.1.0

# wk7 starts 2016-10-17; wk7 has had three separate task tickets (a,b,c) arrive;
#each of the three student programmers has allocated resources to a task ticket

#Student1 self-selected 'task1'; manager assigned task ticket 'wk7a'; has charged 10h

#Student2 self-selected 'task1'; manager assigned task ticket 'wk7b'; assumes lead
for 'task1';
#has charged 12h; reported 'task1' 75% complete\

#Student3 self-selected 'task3'; manager assigned task ticket 'wk7c'; assumes lead
for 'task3';
#has charged 15h; reports 'task3' 50% complete

task wk7a "task1"{
    start 2016-10-17
    chargeset Developer1
    allocate devA1
    length 10h
}

task wk7b "task1"{
    start 2016-10-17
    chargeset Developer2
    allocate devB1
    length 12h
    complete 75
}

task wk7c "task3"{
    start 2016-10-17
    chargeset Developer3
    allocate devC1
    length 15h
    complete 50
}

#Tier_2.1.2.0

#wk8 starts 2016-10-24; wk8 has had four separate task tickets (a,b,c,d) arrive;
#each of the three student programmers has allocated resources to a task ticket

#Student1 self-selected 'task2'; manager assigned task ticket 'wk8a'; assumes lead
for 'task2';
#has charged 11 h; reports 'task2' 35% complete

#Student2 self-selected 'task1'; manager assigned task ticket 'wk8b'; still lead for
'task1';
#has charged 9h; reported 'task1' 100% complete

#Student3 self-selected 'task3'; manager assigned task ticket 'wk8c'; still lead for
'task3';
#has charged 10h; reports 'task3' 100% complete

```

```
#Student3 also self-selected 'task4'; manager assigned task ticket 'wk8d'; assumes
lead for 'task4';
#has charged 3h; reports 'task4' 15% complete
```

```
task wk8a "task2"{
  start 2016-10-24
  chargeset Developer1
  allocate devA1
  length 11h
  complete 35
}
```

```
task wk8b "task1"{
  start 2016-10-24
  chargeset Developer2
  allocate devB1
  length 9h
  complete 100
}
```

```
task wk8c "task3"{
  start 2016-10-24
  chargeset Developer3
  allocate devC1
  length 10h
  complete 100
}
```

```
task wk8d "task4"{
  start 2016-10-24
  chargeset Developer3
  allocate devC2
  length 3h
  complete 15
}
```

```
}
}
```

```
#####
#### [[milestones]] ####
#####
```

```
# *syntax ==> task <your_milestone_id> "Your Milestone Name"
# *ids must be unique within their property class
# *attributes: end (cannot have 'effort' values here!!)
```

```
#      Milestones#      = MST#
#
#      MST1      = Project-Level Milestones
#      MST2      = IssueSet-Level Milestones
```

```
task MST1 "Project Milestones"{
  flags flag3
```

```
#Tier_1.0.0.0 (container task level)
```

```
#Tier_1.1.0.0
```



```

task m1 "Management Structure Completed"{
  end 2016-09-16
}

task m2 "Recruitment Completed"{
  end 2016-10-07
}

```

```

#####
#### [[task reports]] ####
#####

```

```

## ----- initial setup for report generation -----
navigator navbar {
  hidereport @none
}

```

```

#--- textreports: layout for taskreports -----

```

```

                                                    # Add header to printout
textreport frame1 "report title name" {
  header -8<-
  == Project: LANDIS-II Programming Updates ==
  ->8-

  footer "----"

                                                    # Specific reports to be included in printout
                                                    # textreport status1 "name of the .html file"
textreport status1 "LANDIS_Project_Status" {
  formats html
  center -8<-
  <[report id="gantt1"]>
  ----
  <[report id="gantt2"]>
  ----
  <[report id="acct1"]>
  ->8-
}
}

```

```

#--- taskreports: to be included in textreport -----

```

```

taskreport gantt1 "Project Status" {
  header -8<-
  == Task Status as of ${today} ==
  ->8-
  footer "----"

  hidetask (flag3 | flag4)

  columns
  name,
  start,
#   end,
  chart
}

```

```
taskreport gantt2 "Milestones" {
  header -8<-
  == Expected Milestones as of ${today} ==
  ->8-
  footer "----"

  hidetask (flag1 | flag2)

  columns
    name,
    end,
    chart
}
```

```
#####
##### [[account reports]] #####
#####
```

```
accountreport acct1 "ProfitandLoss" {
  header -8<-
  == Accounting Status as of ${today} ==
  ->8-
  footer "----"

  columns
    no,
    name,
    weekly
}
```