

Project Timekeeper

ALEX GUST

CPET 491 INSTRUCTOR: PAUL LIN // ADVISOR: GARY STEFFEN

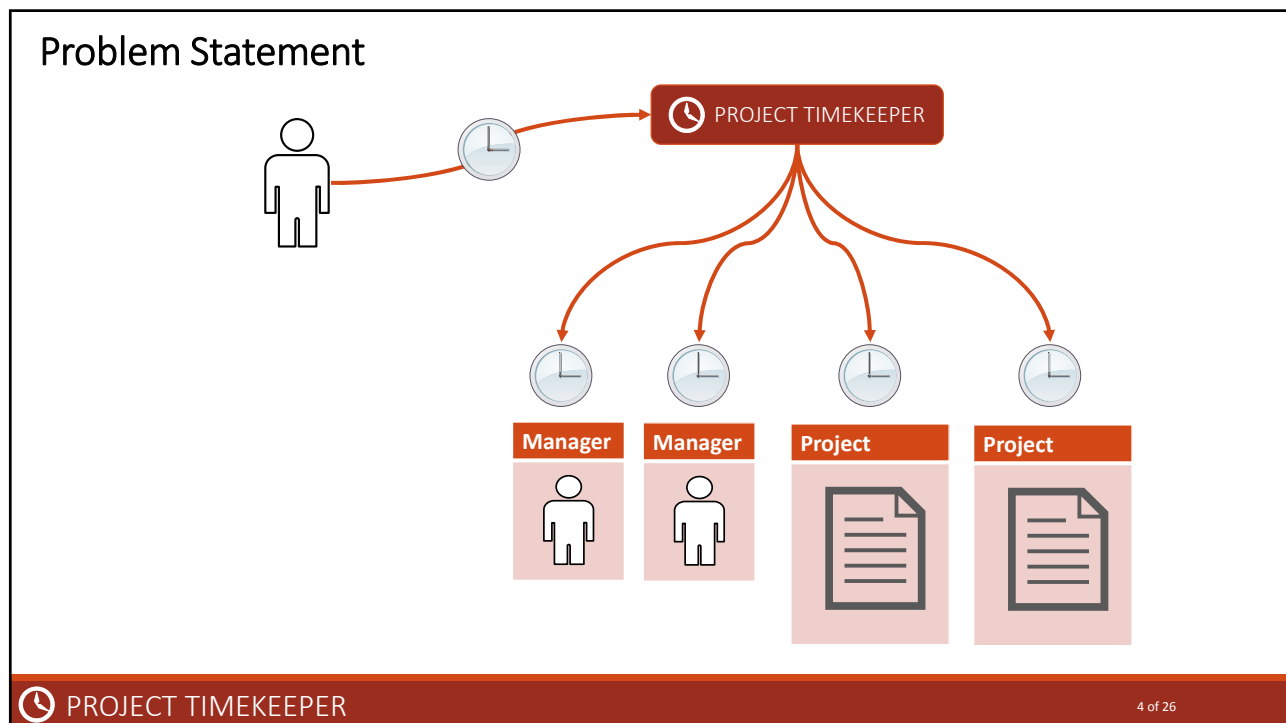
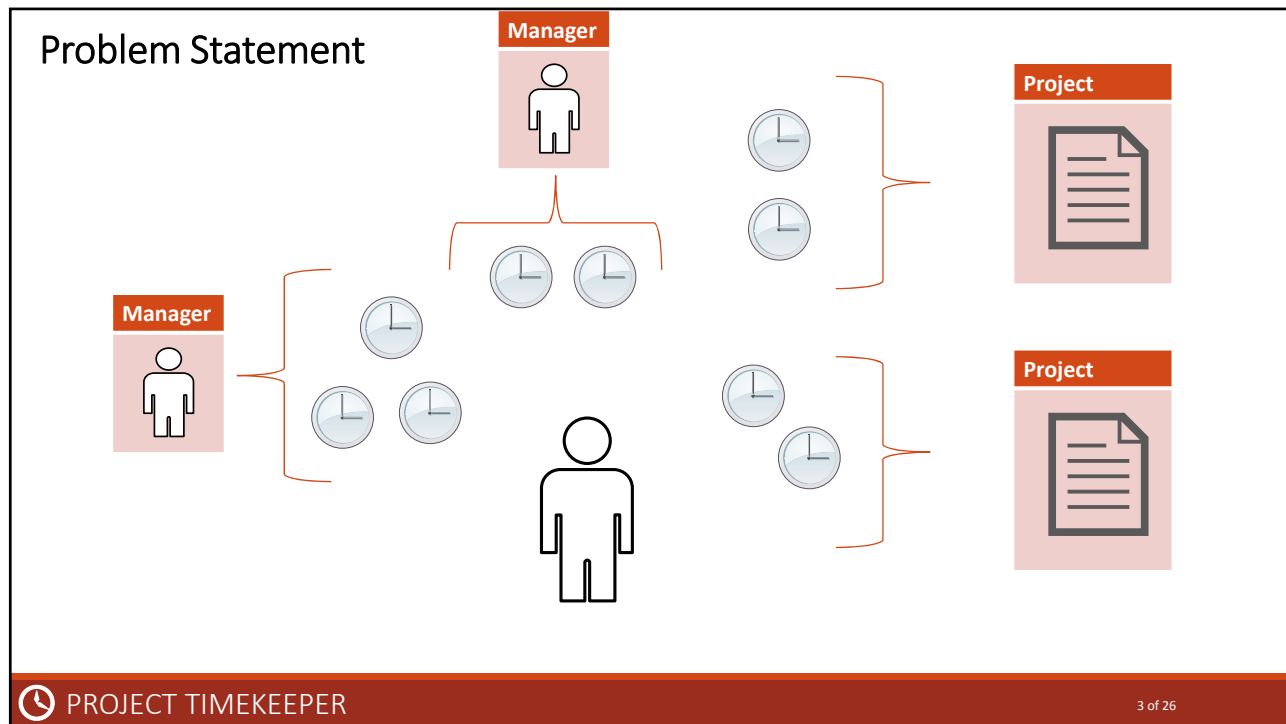
MAY 1, 2015



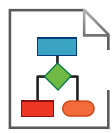
Presentation Outline

- Problem Statement
- Use Cases
- Solution
- **Demonstration**
- Hardware
- Software
- Project Management
- Questions

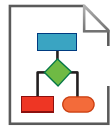




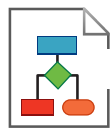
Use Cases



SCRUM



AGILE



WATERFALL



PROJECT TIMEKEEPER

SIMPLE.

ADAPTABLE.

OPTIONAL.



Reports



Reports



Reports



PROJECT TIMEKEEPER

5 of 26

Use Cases



Accounting



Project Manager / SCRUM Master



Business Product Owner



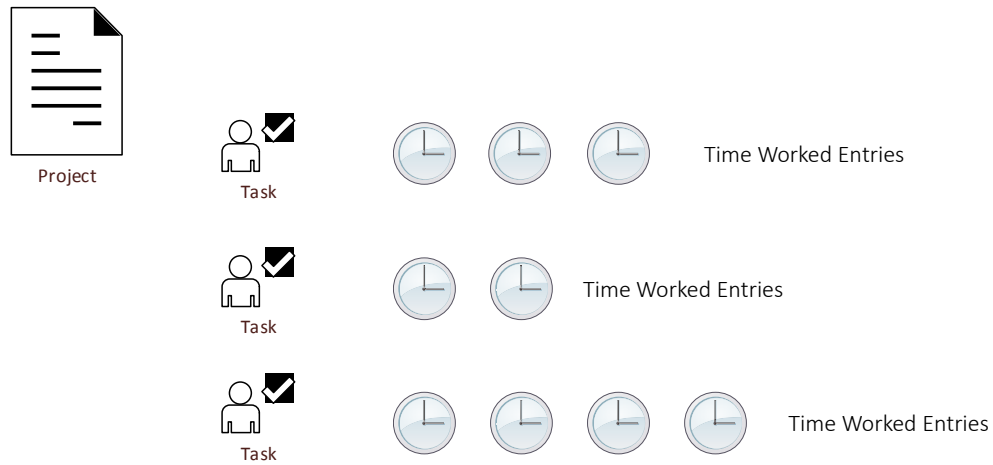
Project Development Team Member



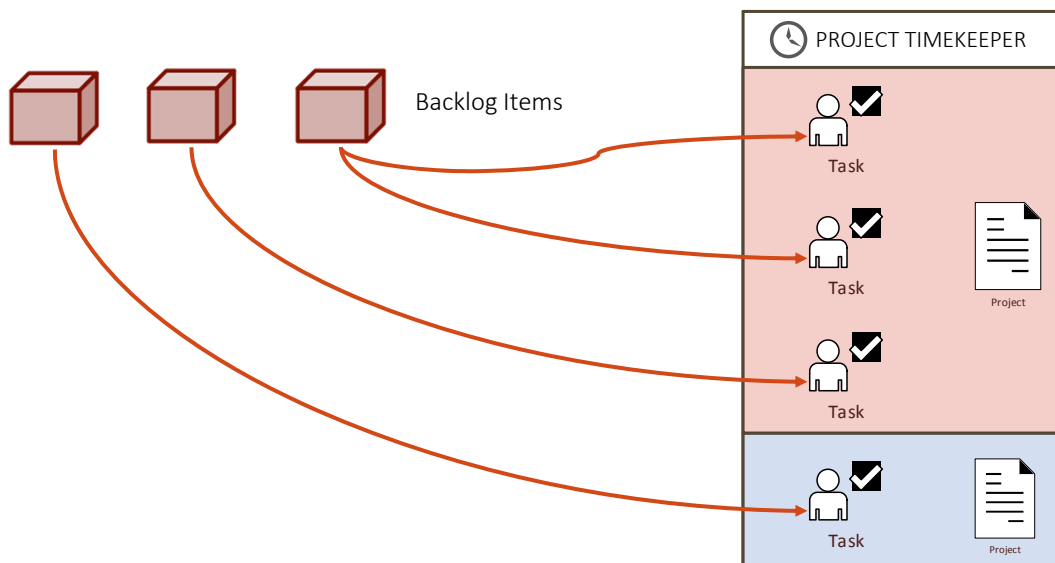
PROJECT TIMEKEEPER

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Solution



Solution

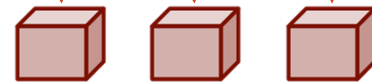


Solution

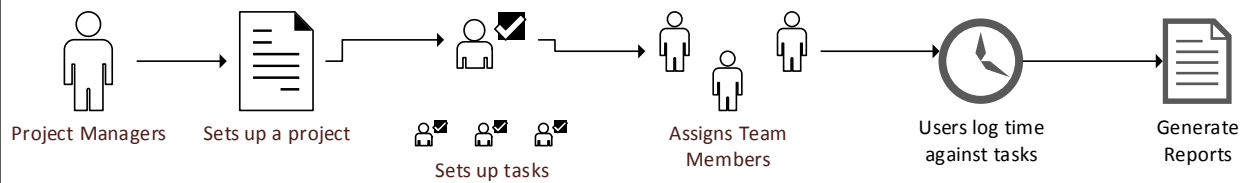
Operational Requirements

| Requirement Data | | | |
|------------------|------------------|--|-----------|
| ID | Requirement Type | Requirement | Result |
| 1.1 | Operational | Project timekeeper shall allow users to track time spent on projects | Validated |
| 1.2 | Operational | Project timekeeper shall allow projects to be broken into tasks | Validated |
| 1.3 | Operational | Project timekeeper shall allow tasks to be broken into backlog items | Validated |
| ... | ... | ... | ... |

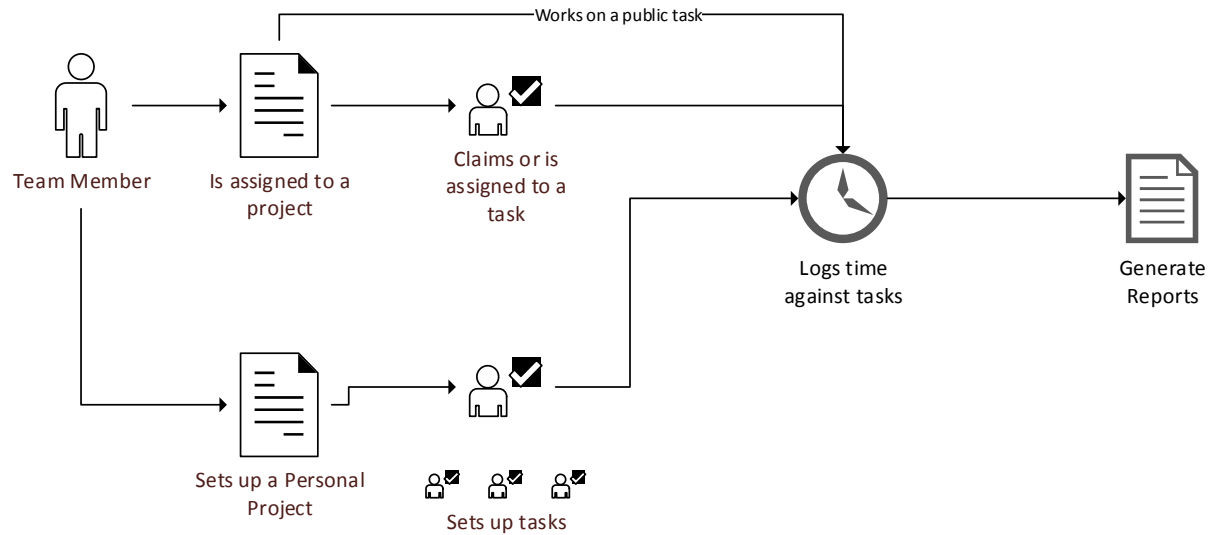
Backlog Items



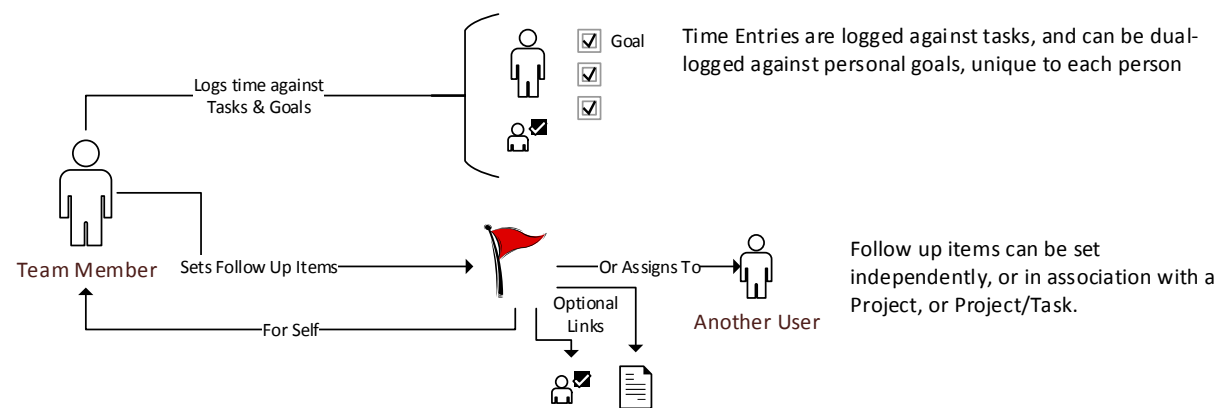
Demonstration



Demonstration



Demonstration



Demonstration



Accounting



Work Types Report



Project Manager / SCRUM Master



Summary Report

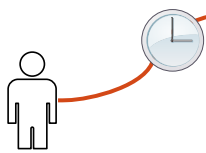


Project Development Team Member



Goals Report

Solution Summary



Developer

- SIMPLE
- ADAPTABLE



Reports



Manager

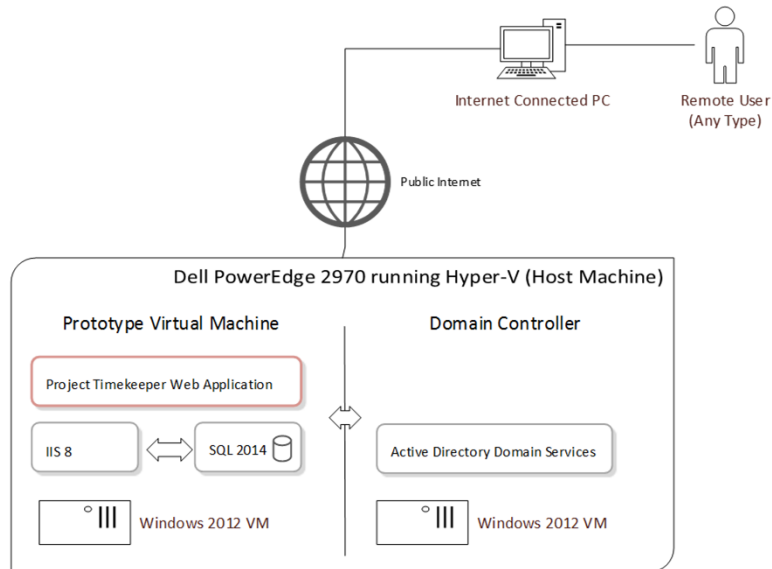
Any Interested Party

- SIMPLE
- ADAPTABLE

All

- OPTIONAL

Hardware



Software: Development Stack

Client Software

Web Browser
JavaScript

Application Services

ASP.Net Web
Forms

Infrastructure Services

SQL Server

IIS Web Server

Active Directory

Deployment Environment

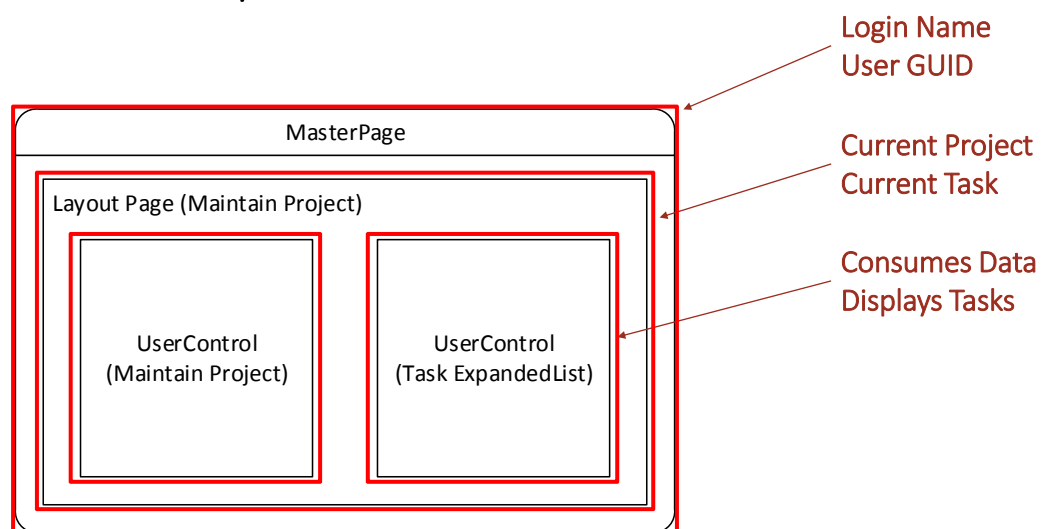
Private Cloud



Software: Top Level Units

- Projects
 - Tasks
 - Time Worked Entries
- Follow Up Items
- Goals

Software: Reusability



Project Management: Scope

Initial Design

Project Timekeeper – Dashboard

Only visible to SuperUsers

Maintain Users

Time Worked: Last: 10/12/2014 from 2:45PM for 2.25 hours, Project: 4200, Task: 22861, Type: Meeting

| Due Date | My Follow-Up Items | From | Project | Task |
|------------|--|---------------|---------|--------|
| 11/16/2014 | Need to implement the new database | David Barber | 2564 | 14682 |
| 11/19/2014 | There's a problem with the login screen. Can't use orange buttons. | Jim Flannigan | 4200 | |
| 12/05/2014 | Finish documentation for the Cost of Goods calculation. | David Barber | 6355 | 220082 |

| Due Date | Completed | My Goals |
|------------|-------------------------------------|---|
| 03/15/2015 | <input type="checkbox"/> | Attend 2 seminars that relate to Project Management. Prepare a high level overview of th... |
| 11/19/2014 | <input checked="" type="checkbox"/> | Design a new application to be used in-House and present design to superiors. |
| 02/14/2015 | <input type="checkbox"/> | Complete two "Ride-Alongs" with Non-IT staff members. |

| My Projects | | Tasks for Project: 2564 | | Status |
|-------------|------------------------------------|-------------------------|--------------------------------|-----------|
| 6355 | Profit & Loss Statements - Finance | 14858 | Draw Store Design Landing Page | Done |
| 4200 | Catalog Export - Merchandising | 14682 | New table for Layout Planning | InProcess |
| 2564 | Store Design - Sales and Business | | | |

Time Worked Reports: Begin Date: 10/01/2014 End Date: 10/31/2014

Detailed Summary Work Type Parent Task

Select a User

Only visible to Project Owner/Admins, Project Managers, and Business Product Owners

Project Management: Cost

Charter

Material Costs (est): \$0
 Tool Costs (est): \$0
 Labor Hours – Project Team (est): 200
 Labor Hours – non-Project Team (est): 15

Plan

| Labor Cost (Hrs) | | | |
|------------------|-----------|----------|---------|
| | Alex Gust | Tom Gust | Project |
| Labor Hr. Totals | 220 | 59 | 279 |

Actuals

Hours Estimate

🕒 279.00

Hours Reported

🕒 309.75

Hours Remaining

🕒 -30.75

Project Management: Quality

Debugging Priority

1. Database Corruption

- Primary Key Violations
- Invalid Data Types
- Foreign Key Violations
- Orphaned Records

Project Management: Quality

Debugging Priority

2. Browser Crashes
3. Web site being unusable until closed and reopened
4. ASP.Net error messages displaying to the user
5. User Input Validation

Conclusion

Adoption

- Installation at Do It Best: **4 May 2015**

Further Development

- Imports and Exports
- Reports

