Individual Assignment Specifications

**Team**: VMS

**Iteration**: Iteration 1

# **Special Roles**

* Project Coordinator: Allen Dorris
* Quality Assurance Czar: Katie Bridson
* Video Demo Creators:
  + Alex Ziegenhorn
* Demo-Booth Operator: TBA
* Instructor Meeting Leader: Joshua Hatcher

# **Tasks: Alex Ziegenhorn**

* Task 1: registration-html
  + Description: Create a registration form for users to create/edit an account.
  + How to Evaluate: The task is complete when you are able to access the page and view all of its elements.
  + Outcome of Task: Task was redefined or redistributed.
* Task 2: project-definition-tests
  + Description: Create the project JPA entity, methods, attribute validations, and tests.
  + How to Evaluate: This task is complete if the project class has been created, it uses the javax.persistence library, has appropriate attributes and methods with validations, and unit tests.
  + Outcome of Task: Task was redefined or redistributed.
* Task 3: paystub-definition-tests
  + Description: Create the paystub JPA entity, methods, attribute validations, and tests.
  + How to Evaluate: This task is complete if the paystub class has been created, it uses the javax.persistence library, has appropriate attributes and methods with validations, and unit tests.
  + Outcome of Task: Task was redefined or redistributed.
* NEW\*\*: AlexModels/unifiedModels
  + Description: Create the ProjectEmployee, TimesheetRow, and Vendor model with necessary attributes and relations.
  + How to Evaluate: The task is complete if the entity class is created with attributes and relationships matching the design document.
  + Outcome of Task: The models were partially completed in AlexModels, then work was moved to unifiedModels. Minor work was also provided to the other models.
* NEW\*\*: AlexServices/unified-services
  + Description: Create the services and repositories for the various tables in the database.
  + How to Evaluate: The task is complete if the services and repos have been created and function.
  + Outcome of Task: The services and repos were all created mostly in unified-services in conjunction with Katie.
* NEW\*\*: unified-html
  + Description: Create the html pages needed and update the controllers to function properly.
  + How to Evaluate: The task is complete if the html pages exist.
  + Outcome of Task: The various HTML pages were worked on by Katie, Allen, and I, as nothing had been created leading up to the due date. Very incomplete, very basic functionality. Employee and Invoice controllers, along with HomeController for testing were updated, but still require additional changes. Incomplete.

# **Tasks: Allen Dorris**

* Task 1: static-page-header
  + Description: Create a static page header that displays on all pages that displays the logo, account signed in as, and the tabs available to that user.
  + How to Evaluate: The task is complete when you are able to view the static page header and all of its contents.
  + Outcome of Task: Task was redefined or redistributed.
* Task 2: timesheet-form
  + Description: Create a fillable timesheet form that can be filled in by users.
  + How to Evaluate: The task is complete when you are able to fill out the timesheet form.
  + Outcome of Task: Task was redefined or redistributed.
* Task 3: vendor-definition-tests
  + Description: Create the vendor JPA entity, methods, attribute validations, and tests.
  + How to Evaluate: This task is complete if the vendor class has been created, it uses the javax.persistence library, has appropriate attributes and methods with validations, and unit tests.
  + Outcome of Task: Task was redefined or redistributed.
* Task 4: login-html
  + Description: Create a login page for users to log into their accounts.
  + How to Evaluate: The task is complete when you are able to access the page and view all of its elements.
  + Outcome of Task: Task was redefined or redistributed.
* NEW\*\*: AllenModels/unifiedModels
  + Description: Create the timesheet, paystub, and invoice model with necessary attributes and relations.
  + How to Evaluate: The task is complete if the entity class is created with attributes and relationships matching the design document.
  + Outcome of Task: Initially work was done in AllenModels. Once the models were close to finishing, it was merged into unifiedModels and work was continued there.
* NEW\*\*: unified-html
  + Description: Create the html pages needed for every view, specifically timesheet, paystub, and invoice.
  + How to Evaluate: The task is complete if the html pages exist.
  + Outcome of Task: Timesheet, paystub, and invoice were completed. The other HTML pages were worked on by Katie, Alex, and I, as nothing had been created leading up to the due date. Very incomplete, very basic functionality.

# **Tasks: Ben Sell**

* Task 1: timesheet-view
  + Description: Create a page that displays the submitted timesheet forms.
  + How to Evaluate: The task is complete when you are able to view the timesheet view and the submitted timesheet forms.
  + Outcome of Task: Task was redefined or redistributed.
* Task 2: vendor-project-employee-view
  + Description: Create a page that allows you to view vendors, projects, and employees.
  + How to Evaluate: The task is complete when you are able to access the page and view the list of vendors, projects, and the employees.
  + Outcome of Task: Task was redefined or redistributed.
* Task 3: timesheet-definition-tests
  + Description: Create the timesheet JPA entity, methods, attribute validations, and tests.
  + How to Evaluate: This task is complete if the timesheet class has been created, it uses the javax.persistence library, has appropriate attributes and methods with validations, and unit tests.
  + Outcome of Task: Task was redefined or redistributed.
* NEW\*\* Task 4: none
  + Description: Create the HTML pages for the views needed for Employee, Project, ProjectEmployee, TimesheetRow, and Vendor(Some may not have any pages).
  + How to Evaluate: When the HTML pages are created.
  + Outcome of Task: No work was completed whatsoever. Task was redistributed among Alex, Allen, and Katie, and completed by them.

# **Tasks: Joshua Hatcher**

● Task 1: employee-definition-tests

o Description: Create the employee JPA entity, methods, attribute validations, and tests.

o How to Evaluate: This task is complete if the employee class has been created, it uses the javax.persistance library, has appropriate attributes and methods with validations, and unit tests.

o Outcome of Task: Task was redefined or redistributed.

● Task 2: timesheet-row-definition-tests

o Description: Create the TimesheetRow JPA entity, methods, attribute validations, and tests.

o How to Evaluate: This task is complete if the employee class has been created, it uses the javax.persistance library, has appropriate attributes and methods with validations, and unit tests.

o Outcome of Task: Task was redefined or redistributed.

● Task 3: admin-html

o Description: Create the admin page with lists and buttons to approve/generate invoices/paystubs

o How to Evaluate: The task is complete if you can access the page and see all the elements.

o Outcome of Task: Task was redefined or redistributed.

* NEW\*\*: controllers/unified-master
  + Description: Create the the controllers for every table in the database.
  + Outcome of Task: Code was contributed, but was non-functional. Some were taken up and fixed by other members, as listed, while others were moved to Iteration 2 to fix.

# **Tasks: Katie Bridson**

* Task 1: invoice-html
  + Description: Create the base html invoice format which will later be used to create the pdf document
  + How to Evaluate: The task is complete if you can access the page and see all the elements.
  + Outcome of Task: Task was redefined or redistributed.
* Task 2: paystub-html
  + Description: Create the base html paystub format which will later be used to create the pdf document
  + How to Evaluate: The task is complete if you can access the page and see all the elements.
  + Outcome of Task: Task was redefined or redistributed.
* Task 3: invoice-definition-tests
  + Description: Create the invoice JPA entity, methods, attribute validations, and tests.
  + How to Evaluate: This task is complete if the invoice class has been created, it uses the javax.persistence library, has appropriate attributes and methods with validations, and unit tests.
  + Outcome of Task: Task was redefined or redistributed.
* NEW\*\* Task 4: katie-models/unifiedModels
  + Description: Create the timesheet, paystub, and invoice model with necessary attributes and relations.
  + How to Evaluate: The task is complete if the entity class is created with attributes and relationships matching the design document.
  + Outcome of Task: I did as much as I could in katie-models without merging with other branches containing the other JPA entities. At that point, I branched off katie-models into unifiedModels and merged AlexServices into unifiedModels. Alex and I both made changes to some of the JPA database relations to try to get the database set up correctly. All three classes contain the correct attributes with database column constraints and relations to other models specified according to JPA syntax. This task is complete.
* NEW\*\* Task 5: katie-repos-services/unified-services
  + Description: Create the timesheet, paystub, and invoice repositories and services to query the database for needed objects based on various attributes.
  + How to Evaluate: The task is complete if the repository and service are created with needed query methods.
  + Outcome of Task: The repositories and services are created with basic CRUD queries and some specialized ones. However, since the controllers were not completed, there may be additional queries needed for full functionality. Again, this task ended up being done in multiple branches. I started in katie-repos-services but Alex and I were having trouble getting our query methods working so we made another unified branch (unified-services) and worked out the bugs in that branch. The work is probably more heavily in unified services than either katie-repos-services or AlexServices.
* NEW\*\* Additional: unified-html
  + Description: Created some of the html pages and controller methods for the Project and Vendor views.
  + How to Evaluate: Bonus
  + Outcome of Task: As of a couple days before the Milestone 1 due date, no html pages that reflected the pages needed for the UI Diagrams had been made. Alex, Allen, and I worked on most of them, but I was primarily responsible for creating the Project and Vendor views and integrating them. I did not have time to get some of the POST controller methods working but the pages can all be displayed with the GET controller methods.