



Visual Portfolio Analysis tool for Kommuninvest Summary Week Report

2017-11-27

Version 1.0

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Revision History

Date	Version	Description	Author
2017-11-17	1.0	Summary Week Report	Valentina Menabue

1. Introduction

1.1 Purpose of this document

The purpose of this document is to report the activities that happened within the past week, with the intent of understanding project progress.

1.2 Document organization

The document is organized as follows:

- Section 2 – Total Team Effort – Work Hours, Activities and tasks done by the team members.
- Section 3 – Aggregated Team Data – Sum of all the Work Hours, Activities and Tasks performed by the team members
- Section 4 – Main team accomplishments and challenges they faced during the week.

1.3 Intended Audience

The Intended Audience for this report are the supervisors of the course and the project team. If necessary it can also be shared with the customer.

1.4 Scope

This document addresses working hours and efforts spent by the team members during this week, (2017-11-21 to 2017-11-28 included)

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2. Total Team Effort

Team Members	Work Hours	Activities / Tasks done
Valentina Menabue	10	<ul style="list-style-type: none"> - Preparation Alpha Prototype presentation - Creation of Minutes of Meetings document - Creation of Summary Week Report document
Stefano Cilloni	31	<ul style="list-style-type: none"> - Thanks to customer Skype call and team members help, refined database schema - Worked with Tim to solve a swagger.io issue that was Docker related - Defined User and Role entities with CF approach in Sequelize - Schema migrations with Sequelize working - Facing too many problems due to Sequelize incompatibilities with new version of Postgres. By this, done researches and evaluated Knex and Bookshelf as alternative ORM - Pgadmin Docker image changed to simplify its usage - Database ORM switch: from Sequelize to Knex and Bookshelf - Database creation script handled with Knex (each time the env is executed as it was before with Sequelize) - Database schema migrations handled with Knex-migrate module. Still, as before with Sequelize, they're automatically triggered each time dev env is executed. - Docker issues experienced by some team members solved - Converted User and Role entities to Bookshelf syntax. - CompanyType and MunicipalityType entities plus relative migrations created and working - Setup database seed script to generate predefined users - Initialized a "data ingestor" module to process the customer excel file. Ingestion of CompanyType entities working.
Luca Franceschetti	17	<ul style="list-style-type: none"> - Update product backlog with new stories, in order to be coherent with requirements document - Divide all the stories in alpha and beta as suggested by Omar during previous call. - Revised all the structure of the product backlog adding some conditional formatting - Presentation of alpha prototype - Trello management - Sprint burndown chart

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		<ul style="list-style-type: none"> - Test if the docker containers are working - Sprint 4 reviews - Exchange some emails with the customer about docker, acceptance test plan, structure of the database and meeting.
Eldar Alasgarov	20	<ul style="list-style-type: none"> - Fill In Municipalities list from API call - Fill in Graphs with data from API call - Add several customizations to the view like 'Vue-multiselect' dropdowns - Adjust User Login, now that it communicates with DB data - Review Documentation
Rodrigo Coelho	22	<ul style="list-style-type: none"> - Docker installation and issue resolution for database and front-end. - Researched how to export data from Access into JSON. - Executed the database export.
Hamza Sabljakovic	30	<ul style="list-style-type: none"> - API endpoint for municipalities - API endpoint for graphs - API endpoint for processing excel file and converting it into JSON - Connecting login controller with the db data source - Bug fixes (file upload, ip/localhost)
Aliya Hussain	21	<ul style="list-style-type: none"> - Implemented downloading of chart as image and pdf - completed User management UI
Tim Liberg	14	<ul style="list-style-type: none"> - Fixed a bug where swagger could not be run with docker - Updated swagger definition for login API endpoint - Setup local database with docker and seed scripts - Started adding database connection to user management API - Added backend tasks to the sprint backlog and trello

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3. Aggregated Data

Team Members	Work Hours	Activities / Tasks done
Valentina Menabue	85	<ol style="list-style-type: none"> 1. Prepare a section of the presentation 2. Discussed about architecture and technology to be used 3. Requirements & Design presentation Conceived and designed Use Case Diagram Conceived and designed Activity diagrams of 4 requirements Requirements document deliverable First initial version of Design document deliverable 4. Revision of Project Plan Document Complete Requirement Document Initial draft of Status Report presentation Revision of Design Document Prepare presentation (with Eldar, Hamza and Luca) Set up local docker environment 5. Requirements document Design document Status report presentation 6. Preparation of Status Report presentation Creation of Minutes of Meetings document Creation of Summary Week Report document Download docker and all the technologies in order to be ready in case Frontend need helps 7. Preparation Alpha Prototype presentation Creation of Minutes of Meetings document Creation of Summary Week Report document
Stefano Cilloni	103	<ol style="list-style-type: none"> 1. Prepare a section of the presentation, prepare to present the slide 2. Discussed about architecture and technology to be used. Minutes of Meeting and Summary Weekly Report. Reorganised Google Drive folder. Created GitHub repository. Created template for technologies proposal. Created 3 different Skype groups for supervisors, customer and the team. 3. Set up GitHub repository organization Wrote GitHub coordination documents to better exploit GitHub rich functionalities of fair team cooperation Set up dockerized version of development environment

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		<p>(dev. env.) Documented docker environment behaviour Added database container to the dev. env. Helped to rewrite non-functional requirements Revised Minutes of Meeting (x2) and Summary Weekly Report. Reviewed sprint 0 GitHub PR code reviews</p> <p>4. Create initial base DB schema template from which to start from, as by agreement Project plan revision Sprint 2 contribution Helped Eldar to set up local docker environment Helped Tim to set up local docker environment Fix some issues with frontend template Repository documentation refactoring Docker documentation improved Added docker container for graphical administration of database (dev env) Fix other issues on frontend</p> <p>5. Contributed with tasks for Sprint 3 backlog Requirements document review Design document review Set up the DB connection with sequelize Docker minor issues fixes Database automatic creation script setup api-doc Swagger endpoint issue with Docker fixed Restructured backend endpoints mounting</p> <p>6. Migrations of the database working Automatically triggered each time dev env is executed Created Telegram channels to discuss by topic (Frontend, Backend, Database, etc..) Frontend docker image fix Docker image building procedure moved to docker hub Minor fixes about docker integration problems</p> <p>7. Migrations of the database working. Automatically triggered each time dev env is executed Created Telegram channels to discuss by topic (Frontend, Backend, Database, etc..) Frontend docker image fix Docker image building procedure moved to docker hub Minor fixes about docker integration problems</p> <p>8. Thanks to customer Skype call and team members help, refined database schema Worked with Tim to solve a swagger.io issue that was Docker related</p>
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		<p>Defined User and Role entities with CF approach in Sequelize Schema migrations with Sequelize working Facing too many problems due to Sequelize incompatibilities with new version of Postgres. By this, done researches and evaluated Knex and Bookshelf as alternative ORM Pgadmin Docker image changed to simplify its usage Database ORM switch: from Sequelize to Knex and Bookshelf Database creation script handled with Knex (each time the env is executed as it was before with Sequelize) Database schema migrations handled with Knex-migrate module. Still, as before with Sequelize, they're automatically triggered each time dev env is executed. Docker issues experienced by some team members solved Converted User and Role entities to Bookshelf syntax. CompanyType and MunicipalityType entities plus relative migrations created and working Setup database seed script to generate predefined users Initialized a "data ingestor" module to process the customer excel file. Ingestion of CompanyType entities working.</p>
Luca Franceschetti	98	<ol style="list-style-type: none"> 1. Prepare a section of the presentation, and communicate with supervisors 2. Discussed about architecture and technology to be used and communicate with the customer. Reorganised Google Drive folder. Make primary version of Requirements & Design presentation, and share it on Google Drive. Update Project Vision presentation, correcting some errors pointed out by supervisors. Backlogged sprint 0 3. Completed sprint 0 table and manage Trello board dividing completed and uncompleted task (for future sprints) Completed sprint 1 table and manage Trello board dividing completed and uncompleted task (for future sprints) Created initial version of Product Backlog Defined initial requirements (with doc.) Completed Project Plan document Conceived and designed high level architecture of the system Conceived and designed initial mockup of graphical user interface

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		<p>Talk and write email with customer Update Trello board Requirements & Design presentation Requirements document deliverable Revised Minutes of Meeting (x2) and Summary Weekly Report.</p> <p>4. Sprint 1 retrospective Sprint 2 revision Project plan revision Requirement document Design document Trello management (with Hamza) Gantt chart (plus revision it, adding details) Prepare presentation (with Eldar, Hamza and Luca) Revision of MoM (2017-11-04) and SWR (2017-11-07)</p> <p>5. Sprint 2 retrospective Sprint 3 revision Updated Gantt chart with highly detailed sprints Requirements document Design document Trello management Gantt chart sprint 3 Status report presentation</p> <p>6. Sprint 3 retrospective Sprint 4 creation and revision Preparation of Status Report presentation with other team members Updated Project Plan document and uploaded version 1.1 Created Gantt of Sprint 4 Download docker and all the technologies in order to be ready in case Frontend needs help Trello management</p> <p>7. Sprint 3 retrospective Sprint 4 creation and revision Preparation of Status Report presentation with other team members Updated Project Plan document and uploaded version 1.1 Created Gantt of Sprint 4 Download docker and all the technologies in order to be ready in case Frontend needs help Trello management</p> <p>8. Update product backlog with new stories, in order to be coherent with requirements document Divide all the stories in alpha and beta as suggested by</p>
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		<p>Omar during previous call. Revised all the structure of the product backlog adding some conditional formatting Presentation of alpha prototype Trello management Sprint burndown chart Test if the docker containers are working Sprint 4 reviews Exchange some emails with the customer about docker, acceptance test plan, structure of the database and meeting.</p>
Eldar Alasgarov	70	<ol style="list-style-type: none"> 1. Minutes of Meeting and Summary Weekly Report 2. Discussed about architecture and technology to be used 3. Discussion and choice on the template for Front-end. Finding and Installing premade Template for Front-end with integrated Vue.js modules. Adding Highcharts on top of it as well Prepare to present the slide Revised Use Case diagram 4. Upload of the first web app template on github (with Aliya) Prepare for presentation (with Hamza, Valentina and Luca) Revision of MoM, SWR and Project Plan Documents 5. Requirements and design documents review Set up the initial template, Prepare initial design examples 6. Login / Logout works, all pages require Authentication now Role-based separation of the visible parts of the website CSS Styling separation for all the pages Key Performance Indicators brought from the Back-end 7. Fill In Municipalities list from API call Fill in Graphs with data from API call Add several customizations to the view like 'Vue-multiselect' dropdowns Adjust User Login, now that it communicates with DB data Review Documentation
Rodrigo Coelho	93	<ol style="list-style-type: none"> 1. Prepare a section of the presentation. Discussed about architecture and technology to be used and communicate with the customer. Created Github repository. Use case slides for the presentation. 2. Created basic concept graphical version of the application for client. Development of the prototype

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		<p>using Rstudio based on the Shiny platform to represent the capabilities of the system in regards to the project.</p> <ol style="list-style-type: none"> Revision of the Documentation. Contribution to the Requirements Document. Development of the database schema and documentation. Project Plan Revision. DB prototype in MS Access. Test queries. MoM documentation. SWR documentation. Database schema development Normalization analysis Imported data into MS Access for prototyping Initial query tests Contribution to functional requirements Project plan revision Working on exporting data from the prototype database in Access to Postgres. First need to install Postgres Docker container and then study how the JSON import works. Having some problems with docker installation, but working on it with the team. Installation hanging at the back-end docker container SWR and MOM revision Project Plan Revision Trello updates for the DB team Docker installation and issue resolution for database and front-end. Researched how to export data from Access into JSON. Executed the database export.
Hamza Sabljakovic	74	<ol style="list-style-type: none"> Prepare a section of the presentation Discussed about architecture and technology to be used Conceived and designed high level architecture of the system Setting up the initial version of project Implementing basic authentication GitHub PR code reviews Writing the code documentation Prepare to present the slides Researching for the evn variables Sequelize integration with development and production database JWT middleware Backend app organisation Code refactoring Prepare for the presentation

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		<ul style="list-style-type: none"> 5. Contribution to the requirements document CORS issues solved 6. Creating the initial dashboard backend service Implementation of the temporary users Trying to understand the domain model 7. API endpoint for municipalities API endpoint for graphs API endpoint for processing excel file and converting it into JSON Connecting login controller with the db data source Bug fixes (file upload, ip/localhost)
Aliya Hussain	66	<ul style="list-style-type: none"> 1. Prepare a section of the presentation 2. Discussed about architecture and technology to be used 3. Minutes of Meeting (x2) and Summary Weekly Report. Discussion and choice on the template for Front-end. Created initial template for the website structure 4. Helped Eldar with setting up web template Draw initial website wireframes for the presentation Revised the presentation with Luca, Eldar, Hamza and Valentina 5. Setup initial template Prepare initial design 6. Setup local docker environment Worked on UI of user profile 7. API endpoint for municipalities API endpoint for graphs API endpoint for processing excel file and it into JSON Connecting login controller with the db data source Bug fixes (file upload, ip/localhost) 8. Implemented downloading of chart as image and pdf Completed User management UI
Tim Liberg	62	<ul style="list-style-type: none"> 1. Prepare a section of the presentation, prepare to present the slide 2. Discussed about architecture and technology to be used. Created primary version of Project Vision deliverable. 3. Requirements definition 4. Setup local docker environment Swagger.io integration for API 5. Minutes of meeting Requirements document review Sprint backlog Trello management

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		User management API Watched Sequelize tutorials Data upload API Summary week report 6. Setup local docker environment Sprint backlog Trello management 7. Fixed a bug where swagger could not be run with docker Updated swagger definition for login API endpoint Setup local database with docker and seed scripts Started adding database connection to user management API Added backend tasks to the sprint backlog and trello
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4. Major Team Accomplishments and Obstacles

- For the **Documentation**, presentation of Alpha Presentation is ready and complete. Acceptance test plan is almost started and completely planned. Moreover, we created sprint burndown chart in order to measure the productivity.
- For the **Front-end**, an initial template and design was set up and presented to the customer. Login / Logout Authentication finished, now it is secure, so far. Website views are now viewed in accordance to the role of the Logged in user. Key Performance Indicators are also received from the API endpoints
- For the **Back-end**, API endpoints for user management have been added. These endpoints currently returns hard-coded example data, since the database is not ready yet. Also, the API endpoints for the Key Performance Indicators, both GET and POST.
- For the **Database**, SQL schema migrations are triggered on the development environment each time it is executed. Migrations are now creating and keeping up-to-date the database schema. Created first entities (User and Role) with the Code-First approach.
- If there are any issues with the Code-First approach, database export through JSON is working. Still need to figure out how to move the file into the Docker container and import the JSON into Postgres.