Programming Course Submission System

Project Plan

Overview

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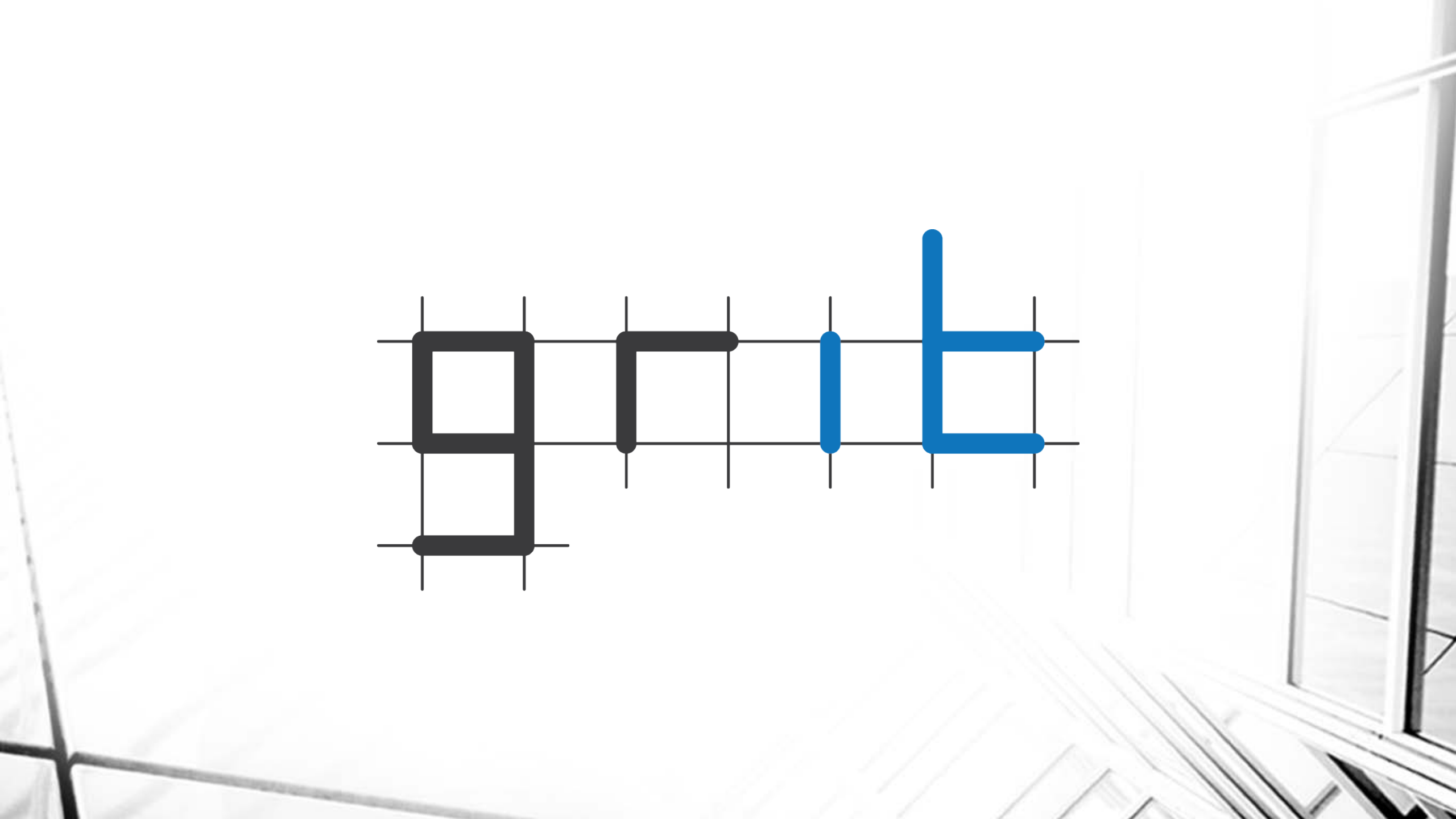
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Members

Marvin Gülzow

- E-Mail: Marvin.Guelzow@uni-konstanz.de
- Role: Project Manager, Scrum Product Owner

Gabriel Einsdorf

- E-Mail: Gabriel.Einsdorf@uni-konstanz.de
- Role: Infrastructure Manager, Scrum Master

David Kolb

- E-Mail: David.Kolb@uni-konstanz.de
- Role: Developer, Graphics

Members

Eike Heinz

- E-Mail: Eike.Heinz@uni-konstanz.de
- Role: Developer , I/O

Fabian Marquart

- E-Mail: Fabian.Marquart@uni-konstanz.de
- Role: Developer, UI

Marcel Hiller

- E-Mail: Marcel.Hiller@uni-konstanz.de
- Role: Developer , Documentation

Members

Stefano Woerner

- E-Mail: Stefano.Woerner@uni-konstanz.de
- Role: Domain Expert and Web Development

Thomas Schmidt

- E-Mail: Thomas.3.Schmidt@uni-konstanz.de
- Role: Developer, Testing

Our product

Programming Course Submission System

(PCSS)

Our product

Details will be discussed with the customer tomorrow.

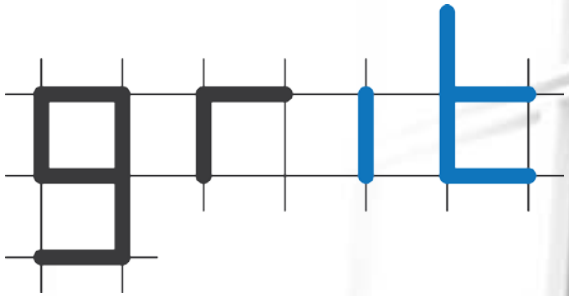
Project organization and methodologies

We are using the SCRUM agile software development framework to deliver an excellent product to our customer.

Advantages:

- Easily incorporate the customers´ wishes.
- Transparently develop the PCSS.
- Focus on the users of our product.

Project organization and methodologies

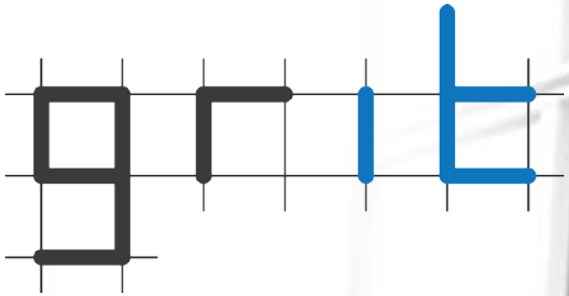


Our development team meets two to three times a week either in person or online to discuss our progress in a stand-up meeting.

We are using the "Test Driven Development" methodology

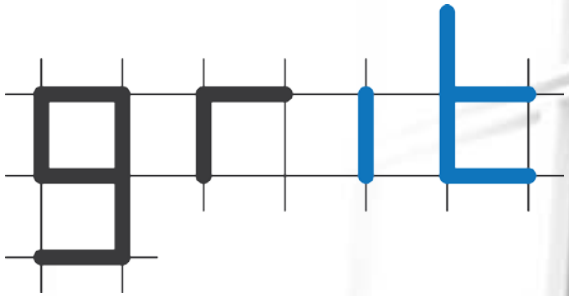
- Write unit test before our code
- Facilitate refactoring adapting to change
- Ensure code quality

Milestones



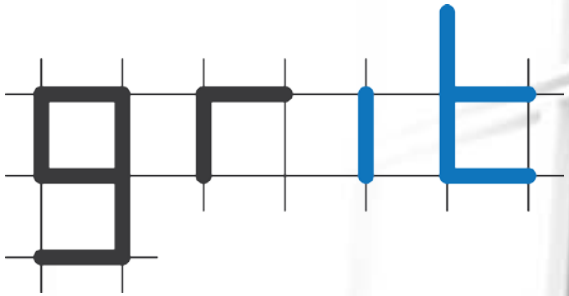
- Design proposals were already delivered on 2014-05-02. ✓
- We will deliver a first prototype and a design mockup on 2014-05-14.
- Then we will evaluate this prototype with the customer (→ design further development).
- We will deliver an improved prototype **every two weeks.**
- The final product will be delivered on 2014-07-16.

Process tracking



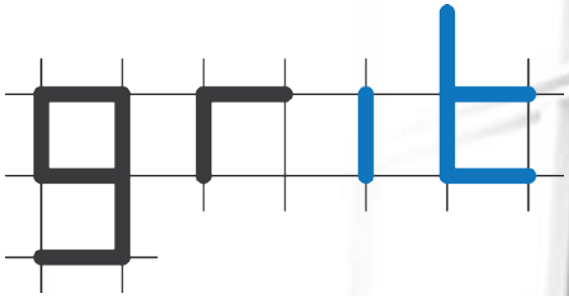
- By using Scrum, we immediately see progress in the releases after each sprint cycle.
- Each cycle attempts to implement a predetermined set of features in the backlog.
- If our sprint backlog is empty after the cycle, we have met all goals.
- The same holds true for total progress in the project (visible in the general backlog).

Issue tracking



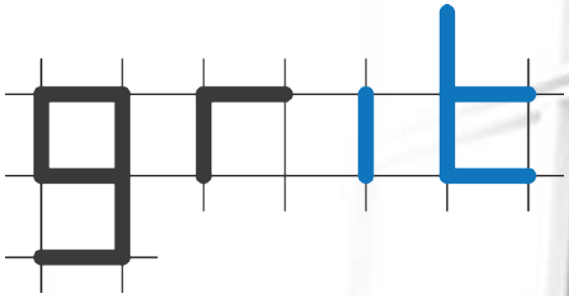
- Issues are tracked using the built-in GitHub issue tracker.
- For each issue, a ticket is opened and assigned to a person and a milestone.
- We use a Kanban board and a burn down chart
  - Visualize our workflow
  - Track our progress

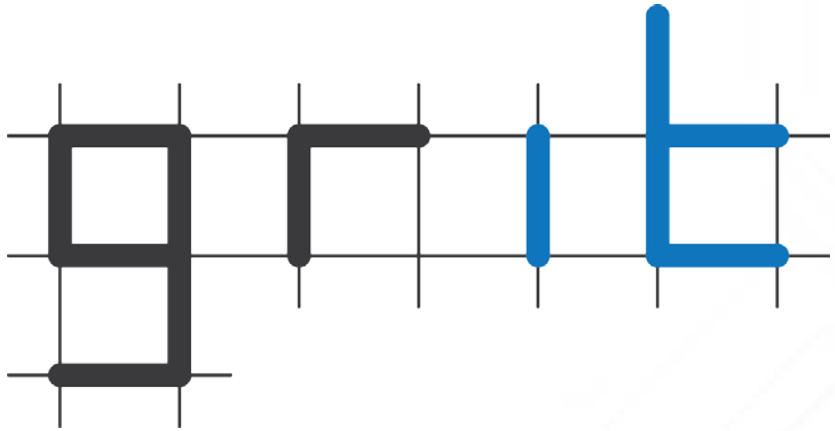
Revision control



- We track revisions using git and a private repository on GitHub.
- We use a modified gitflow-branching model.
- Releases are kept on the master-branch.
- During each sprint circle, a development-branch is used to put the release together.
- During development, a feature-branch exists for each feature.

Customer inclusion



- The customer will receive a release of PCSS after each sprint cycle.
- With this release the customer can easily assess the current state of the product.
- grit then determines together with the customer which features should be implemented next.
- This will lead to customer satisfaction.

Looking forward
to a successful partnership!