

Individual Report

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Contributions and evidence

Technical contributions

The initial preparation of coding is done by me. This involves research for related and useful literatures, studying about the tutorials and find previous threads about the topic. More specifically, find materials related to improve Confluence search engine especially about the UI change topic. Here are some results link I found:

<https://community.developer.atlassian.com/t/create-plugin-settings-ui/4832/4>

<https://developer.atlassian.com/server/confluence/web-ui-modules/>

<https://community.developer.atlassian.com/t/create-plugin-settings-ui/4832>

And related codes:



```
PageCreatedListener.java | StatusFieldHandler.java | StatusPropertyExtractor.java | StatusValueResource.java
import com.atlassian.confluence.core.ContentEntityObject;
18
19 @Component
20 public class PageCreatedListener {
21     private final ContentPropertyManager contentPropertyManager;
22     private final EventPublisher eventPublisher;
23
24     @Autowired
25     public PageCreatedListener(@ComponentImport ContentPropertyManager contentPropertyManager,
26                               @ConfluenceImport EventPublisher eventPublisher) {
27         this.contentPropertyManager = requireNonNull(contentPropertyManager, "contentPropertyManager");
28         this.eventPublisher = requireNonNull(eventPublisher, "eventPublisher");
29     }
30
31     @PostConstruct
32     public void register() {
33         eventPublisher.register(this);
34     }
35
36     @EventListener
37     public void pageCreated(PageCreateEvent pageCreateEvent) {
38         ContentEntityObject page = pageCreateEvent.getContent();
39         contentPropertyManager.setStringProperty(page, StatusPropertyExtractor.SEARCH_FIELD_NAME, PageStatus.PENDING.name());
40     }
41
42     @PreDestroy
43     public void unregister() {
44         eventPublisher.unregister(this);
45     }
46 }
47
```

As for the result, I am facing a problem that the UI of Confluence search engine is extremely hard to modify and we are waiting for response from our client.

Non-technical contributions

The non-technical contributions mainly include weekly minutes, reports and the group report. I am allocated to do the first week's weekly documents and group contract. The wiki links are here:

Week 2 team meeting:

https://bitbucket.org/Arthur_Zhao/quokka/wiki/Week2%20Team%20Meeting%20Minutes

Week 2 client meeting:

https://bitbucket.org/Arthur_Zhao/quokka/wiki/Week%20Client%20Meeting%20Minutes

Group contract:

https://bitbucket.org/Arthur_Zhao/quokka/wiki/Group%20Contract

The evidence is obvious by viewing the editor of the wiki pages.

As for the group report, the user story and the strengths and programming practices part. It can be seen in the work split part.

Reflections

XP Progress

The good thing is that we are driven by the determined user story thus we are not focusing on irrelevant functions and scope creep is avoided. The role rotation is well processed and all team members devotes themselves into the project.

However, the schedule is our biggest risk and issue. We had already spent 2 weeks to decide the scope with our client and over 1 week to learn knowledge related to the project. We need to mitigate the risk by ask for help from our client. We may also need to release less and more functions each time in the future phases.

Challenges

As mentioned above, the main challenge is lack of knowledge. Adding new things to an existing sophisticated and mature system.

Solutions

We ask for help from our client which is a good decision as he has deeper understanding and more abundant experience. Another good thing is that our team members are keen on helping each other thus mitigation solutions are produced after discuss.

Achievements

The main achievement is the finished prototype which has already been qualified by the client.

Improvements in the Future

The most important thing I released is that I need extra research before the project. By which I mean I need to conduct more surveys related to the project. This will highly relief the pain during the preparation phase and shorten the time spent on defining the scope.

Role in team

I mainly in charge of dealing with technical issues. As for non-technical aspects, I am the bitbucket expert and the main customer. In terms of technical aspects, I am supposed to help with solving coding problems within the team.