

1. I think the most appropriate SDLC approach is the incremental development approach for this project, because we divide the parts of Gruber into small pieces and move them to the web-based system. As these parts increase, we analyze the requirements and the things that need to be done more easily in the web field.

2. If we are using a predictive SDLC, we know that it consists of 7 basic stages. If we start to examine these stages one by one;

Project Initiation: This stage will not take long as the system is already ready in the mobile application. It can be started within 1 day.

Project Planing: The existing project has already been planned and prepared in advance, but you may want to make changes to the existing plan while being integrated into the web base. You should change the items in the plan that are adapted to the mobile application to be web based.

Analysis: The needs in mobile and web environment differ. Even if you use the majority of your mobile features on the web, there will still be situations that will change the existing one or be added on it.

Design: Many overlapping features with the web we use on the mobile side will save us time. For example, the map feature that exists in the mobile can be used exactly in the web-based system. All textboxes used can be transferred to the web environment in the same way. This may seem simple, but it may take time. I think a week will be enough.

Implementation: It is the section where the transition from mobile application to web environment is started. All overlapping situations occur here vividly. I think the duration here is 15 days

Deployment: It is the section where action is taken for a change of environment of the project. This section is of course the longest section. It may take about 20 days.

Support: We must support our project through various channels.

3. Adaptive SDLCs consist of many core processes. If we think about Gruber;

Plan and monitor Project: Although we know that the project is ready and has been done before, we should be prepared for the needs in the web-based environment and make a plan. We should see the project visually. That's why we use these core processes.

Design system components: It is the most fundamental issue for us. The system is already ready to build. We must determine the components that we will use this system in the web environment. Accordingly, we have to create UI diagrams.

Build, test and integrate system components: We have to create the system. We should test the system we just created, we should see the missing parts while testing ...

Complete System tests and deploy the solution: .. Depending on this, we can add new components or strive for different solutions.

In the first iteration, I use the Plan and Monitor Project and Discover and understand details use cases. First I try to understand the compatibility of the existing mobile side with the web.

In the second iteration, I use the cases Design system components, Build, test and integrate system components, and Complete System tests and deploy the solution. Because the plan of how to design the system is now ready. I design the necessary components and start the transition. However, I apply tests, I see the problems that may occur and finally I make the Gruber system ready to use in the web environment from the mobile application.