


# An 8-Week Project Using Extreme Programming and Agile Model Driven Development

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Release 1, Week 1, Iteration 0




**Susan:** I have approval from upper management to move forward with release 1 of this application.

**Ron:** Sounds good, I'll have my programmers, Steve and Raj, begin looking at this starting next week, they like to code software, as a pair.

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Release 1, Week 1, Iteration 0




**Raj:** We are currently in the exploration phase of this project, which will include some domain modeling, UI sketches, initial user stories, and so on. Then Steve and I will go off and do some light-weight architecture and design, to get us going with iteration 1. The first release we actually deploy to production will include iterations 1 through 2, from there on, we will deploy the app every 2 weeks. Note that each iteration will result in production-ready code, so we can choose whether to actually deploy it to production or not.

One of our key goals is to keep things simple and have just good enough documentation, so we won't spend weeks up front, doing requirements or nailing the architecture down completely. Also, our code will serve as the core system documentation because we can always reverse engineer, documentation from it.

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Release 1, Week 2, Iteration 1




**Raj:** Steve, between our UI prototypes, domain model, CRC cards, and so on, I believe we have done enough design for iteration 1, what do you think?

**Steve:** Yeah, let's not over-engineer this application. We need to get coding, so we can shake-out our initial design work. By the way, we need to define some quick coding and continuous integration standards first, so we are on the same page.

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Release 1, Week 4, Iteration 2



**Steve:** Hi, Ron. Things are on track. We are trying to deploy the application to production since it passed the acceptance tests. Raj is checking some minor network problems which are preventing us from connecting to the server. Anyway, we should on target for our upcoming iteration meeting a week from Monday.

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Release 1, Week 5, Iteration 2




**Raj:** When do you want to meet with Susan for the questions on the screens we are working on currently?

**Steve:** Let's just call her right now since it impacts our database persistence design. After all, she wants to be an active stakeholder since her department is paying for this application.

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Release 1, Week 5, Iteration 2




**Steve:** Susan, we are working on iteration 2 and had a couple of questions about these screens. For example, how many decimal places should we display in this field?

**Susan:** Let's go with 2 decimal places. I would also like to move the top section to the middle and the drop-downs have the wrong values. Overall, it is going in the right direction. I like the fact that I can see the progress of this application every two weeks. This ensures that we only implement the features we need and we get to realize potential problems sooner rather later.

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Release 1, Week 6, Iteration 3



**Steve:** Raj, isn't life great? The users accepted iteration 2, Spring is here, the leaves are growing back, and there is an eclipse later this week.

**Raj:** Sounds great, Steve. By the way, this integrated development environment I'm reading about sounds pretty cool. Also, it has hundreds of open source and commercial plug-ins available for it. Can't wait to check it out!

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Release 1, Week 6, Iteration 3




**Susan:** Happy birthday, Steve. How does it feel to be one year older?

**Steve:** Oh, it feels great and not just because it's my birthday but also because we just deployed our app into production, Raj figured out the transaction management problem. Also, the eclipse I've been waiting on for so long, is tonight. You guys should check it out, I believe you will enjoy the experience.

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Release 1, Week 7, Iteration 3




**Ron:** Hey, guys. How are things looking? I see you are pretty busy, so I won't bother you for too long. Don't work too hard, we want you guys to have a normal 40-hour schedule, so you can have a life outside of work, too.

**Raj:** Steve is refactoring the database and related code, because he found more efficient and cleaner techniques of handling persistence. I am debugging a nasty defect. I think we are almost there. Our velocity might drop a few points this iteration because of this defect caused by a 3rd party API. So, we might need to ask Susan to defer a user story or two or push the release date back.

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Release 1, Week 8, Iteration 4




**Raj:** Mindy, this data center is impressive. Amazing that the application Steve and I built will be running on one of these servers.

**Mindy:** It sure is. I hear your application is well built since it takes into consideration failover, security, reliability, and so on. Now, if the operations staff maintains 99% uptime for the hardware and network they signed-up for in the contract, then Susan and her group should be happy overall.

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Week 9 - Release 1 complete!



**Susan:** Hey, guys. I just want to congratulate you on a job well done. This is perhaps one of the best applications I have worked on. I love the software process you guys used, I like the fact that I was involved the whole way through, it was nice to see iterations every 2 weeks, as well! I can't wait to get this application in front of the users, I think they will love it! By the way, Ron and I are meeting next week to discuss release 2, so expect a meeting to discuss initial user stories for that. Again, great job, guys!

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Week 10 - Post Release 1 Training



**Susan:** Welcome to this training class, everyone. I think you will find that this application is well designed and contains the features we will need and requested, nothing more, nothing less.

So, let me begin with an overview ...

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