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## Model in Software Development Life Cycle

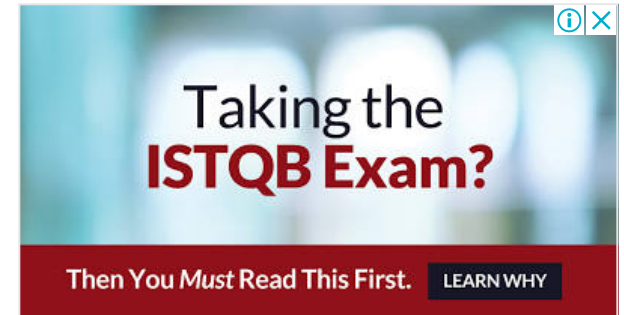
Agile Methodology

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Prototype Model

Last Updated on March 13, 2017 by Rajkumar — 2 Comments



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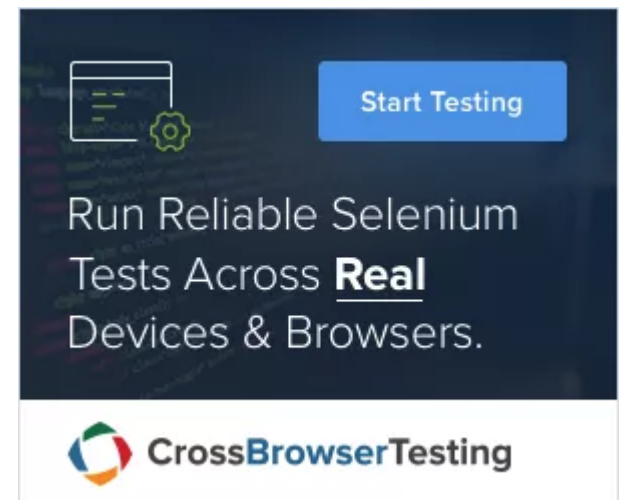
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Before starting Spiral Model in Software Development Life Cycle, I would suggest you to check this post "[Software Development Life Cycle](#)"

You could see different types of Software Development Methodologies in that post. I have mentioned Spiral Model as one of the Software Development Methodologies over there.

I would also suggest you to read about "[Software Testing Life Cycle](#)"

Let's see what is Spiral Model in SDLC and its advantages and disadvantages in detail.



# SPIRAL MODEL IN SDLC



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Agile Model

Automation Software

Automation Testing

## Spiral Model:

Spiral Model was first described by Barry W. Boehm (American Software Engineer) in 1986.

Spiral model works in an iterative nature. It is a combination of both Prototype development process and Linear development process (waterfall model). This model place more emphasis on risk analysis. Mostly this model

adapts to the large and complicated projects where risk is high. Every Iteration starts with a planning and ends with the product evaluation by client.

Let's take an example of a product development team (like Microsoft). They know that there will be a high risk and they face lots of difficulties in the journey of developing and releasing the product and also they know that they will release next version of product when the current version is in existence. They prefer Spiral Model to develop the product in an iterative nature. They could release one version of the product to the end user and start developing next version which includes new enhancements and improvements on previous version (based on the issues faced by the user in the previous version). Like Microsoft released Windows 8 and improved it based on user feedback and released the next version (Windows 8.1).

Spiral Model undergoes 4 phases.

**Planning Phase** – Requirement Gathering, Cost Estimation, Resource Allocation

**Risk Analysis Phase** – Strengths and weaknesses of the project

**Design Phase** – Coding, Internal Testing and deployment

**Evaluation Phase** – Client Evaluation (Client side Testing)

to get the feedback

### **Advantages:**

- It allows requirement changes
- Suitable for large and complicated projects
- It allows better risk analysis
- Cost effective due to good risk management

### **Disadvantages:**

- Not suitable for small projects
- Success of the project depends on risk analysis phase
- Have to hire more experienced resource especially for risk analysis

### **Applications:**

Microsoft Office

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**About the Author**

Rajkumar SM is a founder of SoftwareTestingMaterial. He is a certified Software Test Engineer by profession and blogger & youtuber by choice. He has an extensive experience in the field of Software Testing. He writes here about Software Testing which

includes both Manual and Automation Testing. He loves to be with his wife and cute little kid 'Freedom'.

## Comments

**Warning:** trim() expects parameter 1 to be string, object given in

**/home1/softwbr5/public\_html/wp-includes/class-wp-user.php** on line **208**

**Warning:** trim() expects parameter 1 to be string, object given in

**/home1/softwbr5/public\_html/wp-includes/class-wp-user.php** on line **208**

Satya says

June 16, 2016 at 12:52 pm

Please send me the agile model

Reply



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**/home1/softwbr5/public\_html/wp-  
includes/class-wp-user.php** on line **208**

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Rajkumar says

June 21, 2016 at 2:07 am

Hi Satya, check the below mentioned URL

<https://www.softwaretestingmaterial.com/agile-scrum-methodology/>

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