Who benefits from the use of design patterns is like asking who benefits from clean air or a good education. All of the stakeholders of a project benefit from the use of design patterns.

* Project Sponsor
  + Project sponsors benefit from the use of design patterns because they promote reduced development time which translates in to shorter project timelines and greater return on investment compared to other projects that do not make use of design patterns.
* Project Manager
  + Project managers benefit from the use of design patterns because they reduce the amount of time needed to design a system, and typically the sub components of the system already have a proven track record.
* System Architect/Engineer
  + System architects/engineers benefit from the use of design patterns because reduce the amount of time needed to design the core a system. The additional time is used to alter the design pattern through the use of innovative design and common design principles to adhere to the project’s requirements.
* Programmer
  + Programmers benefit from the use of design patterns because they can reuse existing code already established by the design pattern and only have to integrate the changes outlined by the system architects/engineers.
* Tester
  + Testers benefit from the use of design patterns because they can alter the existing test established for the design pattern to take in to account the changes made by the system architects/engineers.
* User
  + Users benefit from the use of design patterns because the software is typically delivered sooner than projects that do not incorporate the use of design patterns, and they are assumed that the system will work as designed because it was based on a system that was already proven to work properly.

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*(Note: Opinions expressed in this article and its replies are the opinions of their respective authors and not those of DZone, Inc.)*

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[*Enterprise Integration*](http://adclick.g.doubleclick.net/aclk?sa=L&ai=BRcBsDmb3Uo_AA8Pbigef-YGQA9bA5fECAAAAEAEg4tPyBjgAWJ7si_Q8YOXq44OYDrIBFGFyY2hpdGVjdHMuZHpvbmUuY29tugEJZ2ZwX2ltYWdlyAEJ2gE8aHR0cDovL2FyY2hpdGVjdHMuZHpvbmUuY29tL2FydGljbGVzL3doby1iZW5lZml0cy11c2UtZGVzaWduwAIC4AIA6gIiLzI5MTYwNzAvem9uZXNfYm90dG9tYmx1cmJfNjUweDEyMvgC8NEegAMBkAOaCJgDpAOoAwHgBAGgBhY&num=0&sig=AOD64_29qwrWh3TzFU7CRiRe_oYK_XEong&client=ca-pub-3945085396033279&adurl=http://www.dzone.com/mz/enterprise-integration)*is a huge problem space for developers, and with so many different technologies to choose from, finding the most elegant solution can be tricky. [MuleSoft](http://adclick.g.doubleclick.net/aclk%253Fsa%253DL%2526ai%253DBRcBsDmb3Uo_AA8Pbigef-YGQA9bA5fECAAAAEAEg4tPyBjgAWJ7si_Q8YOXq44OYDrIBFGFyY2hpdGVjdHMuZHpvbmUuY29tugEJZ2ZwX2ltYWdlyAEJ2gE8aHR0cDovL2FyY2hpdGVjdHMuZHpvbmUuY29tL2FydGljbGVzL3doby1iZW5lZml0cy11c2UtZGVzaWduwAIC4AIA6gIiLzI5MTYwNzAvem9uZXNfYm90dG9tYmx1cmJfNjUweDEyMvgC8NEegAMBkAOaCJgDpAOoAwHgBAGgBhY%2526num%253D0%2526sig%253DAOD64_29qwrWh3TzFU7CRiRe_oYK_XEong%2526client%253Dca-pub-3945085396033279%2526adurl%253Dhttp:/txt.couchware.com/medias/jump?hid=2873&cid=471&mid=983) provides the #1 open source Enterprise Service Bus,*[*Mule*](http://adclick.g.doubleclick.net/aclk?sa=L&ai=BRcBsDmb3Uo_AA8Pbigef-YGQA9bA5fECAAAAEAEg4tPyBjgAWJ7si_Q8YOXq44OYDrIBFGFyY2hpdGVjdHMuZHpvbmUuY29tugEJZ2ZwX2ltYWdlyAEJ2gE8aHR0cDovL2FyY2hpdGVjdHMuZHpvbmUuY29tL2FydGljbGVzL3doby1iZW5lZml0cy11c2UtZGVzaWduwAIC4AIA6gIiLzI5MTYwNzAvem9uZXNfYm90dG9tYmx1cmJfNjUweDEyMvgC8NEegAMBkAOaCJgDpAOoAwHgBAGgBhY&num=0&sig=AOD64_29qwrWh3TzFU7CRiRe_oYK_XEong&client=ca-pub-3945085396033279&adurl=http://txt.couchware.com/medias/jump?hid=2873&cid=471&mid=983)*, along with SOA integration cloud services that are used by customers like eBay, Amazon, and Walmart.*[*Learn More*](http://adclick.g.doubleclick.net/aclk%253Fsa%253DL%2526ai%253DBRcBsDmb3Uo_AA8Pbigef-YGQA9bA5fECAAAAEAEg4tPyBjgAWJ7si_Q8YOXq44OYDrIBFGFyY2hpdGVjdHMuZHpvbmUuY29tugEJZ2ZwX2ltYWdlyAEJ2gE8aHR0cDovL2FyY2hpdGVjdHMuZHpvbmUuY29tL2FydGljbGVzL3doby1iZW5lZml0cy11c2UtZGVzaWduwAIC4AIA6gIiLzI5MTYwNzAvem9uZXNfYm90dG9tYmx1cmJfNjUweDEyMvgC8NEegAMBkAOaCJgDpAOoAwHgBAGgBhY%2526num%253D0%2526sig%253DAOD64_29qwrWh3TzFU7CRiRe_oYK_XEong%2526client%253Dca-pub-3945085396033279%2526adurl%253Dhttp:/txt.couchware.com/medias/jump?hid=2869&cid=471&mid=979)*about*[*SOA Best Practices*](http://adclick.g.doubleclick.net/aclk%253Fsa%253DL%2526ai%253DBRcBsDmb3Uo_AA8Pbigef-YGQA9bA5fECAAAAEAEg4tPyBjgAWJ7si_Q8YOXq44OYDrIBFGFyY2hpdGVjdHMuZHpvbmUuY29tugEJZ2ZwX2ltYWdlyAEJ2gE8aHR0cDovL2FyY2hpdGVjdHMuZHpvbmUuY29tL2FydGljbGVzL3doby1iZW5lZml0cy11c2UtZGVzaWduwAIC4AIA6gIiLzI5MTYwNzAvem9uZXNfYm90dG9tYmx1cmJfNjUweDEyMvgC8NEegAMBkAOaCJgDpAOoAwHgBAGgBhY%2526num%253D0%2526sig%253DAOD64_29qwrWh3TzFU7CRiRe_oYK_XEong%2526client%253Dca-pub-3945085396033279%2526adurl%253Dhttp:/txt.couchware.com/medias/jump?hid=2861&cid=471&mid=971)*,*[*Mobile E-Commerce*](http://adclick.g.doubleclick.net/aclk%253Fsa%253DL%2526ai%253DBRcBsDmb3Uo_AA8Pbigef-YGQA9bA5fECAAAAEAEg4tPyBjgAWJ7si_Q8YOXq44OYDrIBFGFyY2hpdGVjdHMuZHpvbmUuY29tugEJZ2ZwX2ltYWdlyAEJ2gE8aHR0cDovL2FyY2hpdGVjdHMuZHpvbmUuY29tL2FydGljbGVzL3doby1iZW5lZml0cy11c2UtZGVzaWduwAIC4AIA6gIiLzI5MTYwNzAvem9uZXNfYm90dG9tYmx1cmJfNjUweDEyMvgC8NEegAMBkAOaCJgDpAOoAwHgBAGgBhY%2526num%253D0%2526sig%253DAOD64_29qwrWh3TzFU7CRiRe_oYK_XEong%2526client%253Dca-pub-3945085396033279%2526adurl%253Dhttp:/txt.couchware.com/medias/jump?hid=2867&cid=471&mid=977)*, and*[*Legacy Integration*](http://adclick.g.doubleclick.net/aclk%253Fsa%253DL%2526ai%253DBRcBsDmb3Uo_AA8Pbigef-YGQA9bA5fECAAAAEAEg4tPyBjgAWJ7si_Q8YOXq44OYDrIBFGFyY2hpdGVjdHMuZHpvbmUuY29tugEJZ2ZwX2ltYWdlyAEJ2gE8aHR0cDovL2FyY2hpdGVjdHMuZHpvbmUuY29tL2FydGljbGVzL3doby1iZW5lZml0cy11c2UtZGVzaWduwAIC4AIA6gIiLzI5MTYwNzAvem9uZXNfYm90dG9tYmx1cmJfNjUweDEyMvgC8NEegAMBkAOaCJgDpAOoAwHgBAGgBhY%2526num%253D0%2526sig%253DAOD64_29qwrWh3TzFU7CRiRe_oYK_XEong%2526client%253Dca-pub-3945085396033279%2526adurl%253Dhttp:/txt.couchware.com/medias/jump?hid=2863&cid=471&mid=973)*.*