



Software Engineering

هندسة البرمجيات

جامعة بغداد

كلية التربية للعلوم الصرفة/ابن

الهيثم

قسم علوم الحاسبات

المرحلة الثالثة

أ.م.د. علي يحيى غني



نظري محاضرة الاسبوع الثالث +

Build and Fixed Model

Topics covered



- ✧ What is Build and Fixed Model?
- ✧ The strength of Build and Fixed Model
- ✧ The weakness of Build and Fixed Model

What is Build and Fixed Model?



- The developer may develop a product is reworked as many times as necessary to satisfy the client. This is a temporary approach and not well defined.
- It is two phased model.
- The first phase as to write the code.
- The second phase is to fix it as shown in figure 3+.

Build and Fixed Model

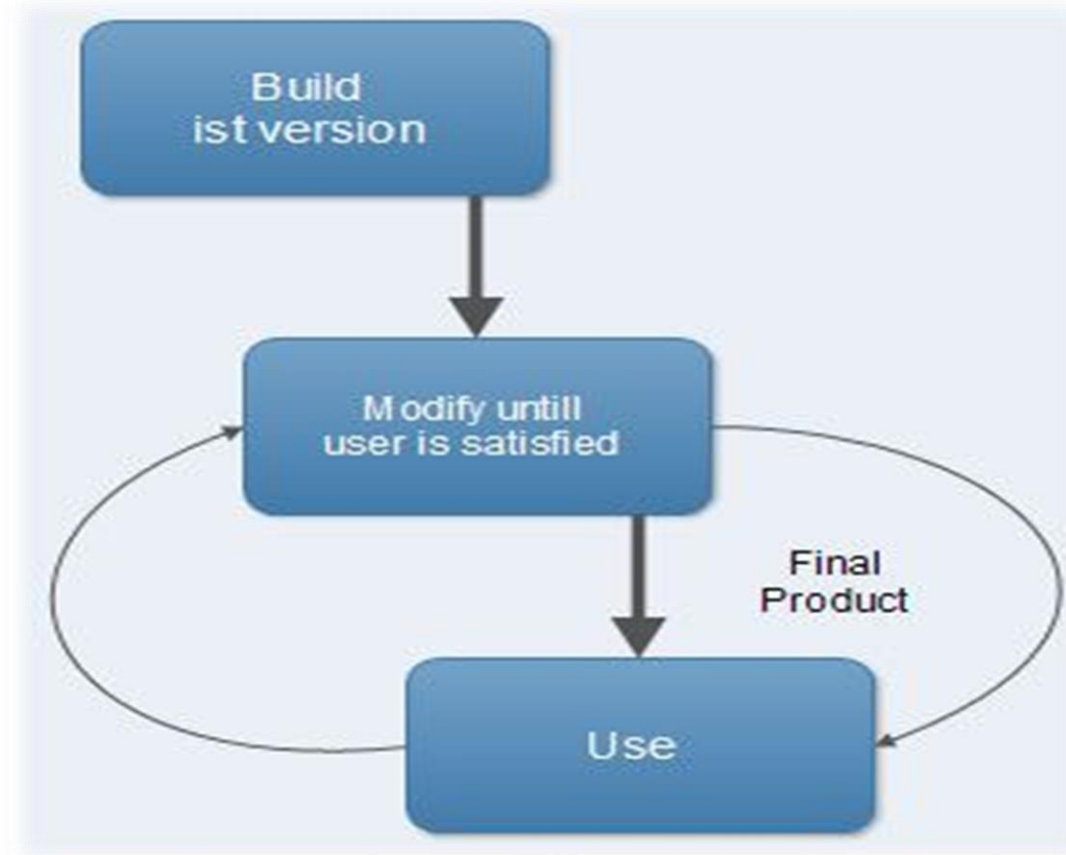


Figure 3+: Build and Fixed Model

The strength of Build and Fixed Model



- Provide direct feedback to developers; immediate of progress.
- Removes planning/ design/ documentation overhead.

The weakness of Build and Fixed Model



- Works ok for small programming tasks (100-200 lines of code) but does not scale up, fails for large projects.
- After a sequence of changes, the codes structure so messy that subsequent fixes become harder to apply and the results less reliable.
- Increased time is spent debugging.

The weakness of Build and Fixed Model



- Design decisions are short-sighted due to lack of planning; design changes cost much more after coding has started.
- Does not promote documentation and therefore produced software is costlier to maintain.



Thanks