**Check list**

0. Share github

- Hello World module

- Example of using Registry, Session, Cookie

- Example of testing static file inheritance

- Example of template file inheritance

- Example of extending layout

- Example of overriding layout

- Practice <https://devdocs.magento.com/guides/v2.0/frontend-dev-guide/layouts/layout-practice.html>

- The website you have setup, configure layout, implement template detail, modules

**1. What is the best environment configuration for development ?**

**2. Describe role and purpose of each part in a Magento module**

**Block** – stores files that will ensure the interaction of the patterns (phtml from the View directory) with extension models or the whole system (optional directory).

* **Controller** – these files are responsible for the connection of the module with the outside world – i.e. switching on the module by clicking on an url. (Example site.com/extension/index/index – lead to the module controller. (optional directory).
* **etc** – contains the configuration files.
* **Helper** – contains the files that are responsible for performing general tasks for extension objects and variables.
* **Model** – contains the files that are responsible for connection with the database (optional directory).
* **Setup** – includes the files that are necessary to make changes in the database – i.e. creating tables, fields, or other records required for the module performance (optional directory).
* **Test**– contains the files that are necessary to perform the module test. (optional directory).
* **View** – includes the files that are necessary for information output on the frontend and backend.  Commonly these files contain html code (optional directory).

**3. How to pass a variable parameter value to template via XML layout?**

Use <arguments>

**4. Where can we find all actions we can use in XML layout ?**

In Block

**5. Difference between extending and overriding layout?**

**5.a)When we can't use extending ?**

Tuy nhiên, nếu bạn cần thực hiện nhiều thay đổi hoặc nếu tệp bố cục chứa hướng dẫn mà chúng tôi không thể thay đổi trong phần mở rộng tệp, thì tùy chọn duy nhất sẽ là ghi đè tệp đó.

**6. What is the** **chain of theme fallback/overriding in Magento 2 ?**

**7. Where to look at when the page is blank or have fatal error ?**

**Magent0 /var / log.**, xem file **system.log** and **exception.log**.

File trong compute Var/ log/apache2/ access.log and error.log

**8. Where to look at when we have a Magento error message?**

**9. Take a screenshot of the back trace data you got when you print magento back trace**

**10. How to display all object data in Magento ? Can var\_dump() the object ?**

**11. How to use a class (dependency injection) in another class (block, controller, model)?**