Buổi 1: Helu mọi người, mình gửi slide và tài liệu của buổi hnay nha:  
- Slide: [https://docs.google.com/…/10HX1gXORhi2EfI7mbk1yZEuIWb…/edit…](https://docs.google.com/presentation/d/10HX1gXORhi2EfI7mbk1yZEuIWbS7vYyVfckYsjn0AL8/edit?usp=sharing&fbclid=IwAR2VMycg7H5H1Z139MzPBSyZcSmUIIPC-WYELcBD2BHTHLIkrR4-0mgxhr0)  
- Regular Expression:  
+ Trang để test và tìm hiểu regexp: [https://regexr.com/](https://l.facebook.com/l.php?u=https%3A%2F%2Fregexr.com%2F%3Ffbclid%3DIwAR2czXMhcD7_Aw0vjNAj7KoVT35pHrQ71DJFAvv_FvM1FRKRV-_OjI6GMFM&h=AT0BIauoxMS6sVujEzgnnRRFqT7vD6RQ6lIr2wy0mtwEWAlh-RpFm_ftMjUIWw46EnlYzyWBwPLHkmfIhGBIyYpKXPnbxdsM6uTHpRqiz0IwefxJ0b0LU0M10o5DNd_7yH0q_ilyhYmjwSBM7p_bURCb)  
+ Học regexp trong 20 phút: [https://tutorialzine.com/…/learn-regular-expressions-in-20-…](https://tutorialzine.com/2014/12/learn-regular-expressions-in-20-minutes?fbclid=IwAR2cctgugRlD2Y6CZpxiRNsTfByUVCYNb4JVLdWZ-Wmb13iqwJwr8t7hWDk)  
- Vụ typeof null = object:  
+ [http://2ality.com/2013/10/typeof-null.html](http://2ality.com/2013/10/typeof-null.html?fbclid=IwAR08WvV2xmdU983JlkQM9YcAU0YAGGhqRFOlWlAING7lTWE6iceEiO7tSH8)  
+ [https://developer.mozilla.org/…/JavaScript/Reference/Operat…](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Operators/typeof?fbclid=IwAR1XRUGCZc0TQGAop9S6G1VgwNoxp5rL23bHaVlFfTiPx6HFWmAeM4OXv2A#null)  
- Link đọc thêm các referent khác của JS cho array, number, string,....: [https://www.w3schools.com/jsref/jsref\_obj\_array.asp](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.w3schools.com%2Fjsref%2Fjsref_obj_array.asp%3Ffbclid%3DIwAR2MF3x3Ipx26946VIaQU8jt-TOR8P9-Pu9oANriIysMEt4Az00gbNneijI&h=AT1ECnH8_--kv5kChyKLfTm9Wd_T2f8VmAnUZdn59csR18vPuWDTbZANYNpojDlxMowlQ_Bayva4Ma8FLF509jxzqRLRGi4Y6DD9sIIWGM2uQcSW7Td57TzMRgegPgwj-8DZqMB1xVrFpNRCT35tDKuF)

- BTVN:  
+ [https://drive.google.com/…/1Ez9r3lpyCNo0cpHLTIHtFcfik…/view…](https://drive.google.com/file/d/1Ez9r3lpyCNo0cpHLTIHtFcfikeEJD3s6/view?usp=sharing&fbclid=IwAR0Ivnk08vFoXPaj9b_EEVu4g5p1w67jfwxRJu7kdA36URnQF4q8UZQcMR0)  
+ Mô tả BTVN: [https://youtu.be/8W7G\_IAUaZ4](https://l.facebook.com/l.php?u=https%3A%2F%2Fyoutu.be%2F8W7G_IAUaZ4%3Ffbclid%3DIwAR1EMEqaswKsBXPJmYhMKnSpjMy6UfWpg-MO0LiqEIEUbgaGaF1jhIqYQpA&h=AT37mpp1ZCXzzW8xS8h_qJtdHGmL5zB2W5V0o2YWyPL4J8NtnE5iTrycRMG6lm_dTTzyZkA0t51ZLVevqxDRqJ5Q8PfLSGObzatbvn53Qm6VJk14jeaJucmcxOz1xxisr7CahAITpmZ1qKCS28Ky-H6S)

Buổi 2: - HTML: [https://docs.google.com/…/12YhtvDp5Quj2TS-XbHBmkPrwdq…/edit…](https://docs.google.com/presentation/d/12YhtvDp5Quj2TS-XbHBmkPrwdq-H4LgvFAzDu3SGtkk/edit?fbclid=IwAR2z9FpvJEl6ZM8J7TapYvLXIHuxlI5pbzd1nxJknODwxHiaVYYjNclDz-I#slide=id.p)  
- CSS: [https://docs.google.com/…/1FR56JlHKpqj6rFbBK\_Nfqg78Ke…/edit…](https://docs.google.com/presentation/d/1FR56JlHKpqj6rFbBK_Nfqg78Ke48GmeBALJfDsYIyro/edit?fbclid=IwAR1ZfayTfuyI9_76XVxYE7PpAu5T7xvbOHN8tyyhwaTA29rb-2BniR7waOU#slide=id.g141162f63e_0_157)

- BTVN: [https://drive.google.com/…/0ByFy6Fb6p0hAbllRcDZ5NUFfR…/view…](https://drive.google.com/file/d/0ByFy6Fb6p0hAbllRcDZ5NUFfRjA/view?usp=sharing&fbclid=IwAR3pHtFrQD2otomDHeouR3Ax9Vt0RgHUbULa-okWdsn8id7FwdofTt0D_9A)

[https://docs.google.com/…/1ML5V26-szV0da5CK5WQ-eqTeguZ…/edit](https://docs.google.com/document/d/1ML5V26-szV0da5CK5WQ-eqTeguZTyOEQVUYejlwDpfc/edit?fbclid=IwAR2losAF6m7IXH5iyI7gQ1MMqBLliKiLXFL-N4m1Z9cHpIt8WuAoJrcojLo)

Buổi 3: Slide bài: [https://docs.google.com/…/1rtIcctnqig1GN0t96oc7psC0vl…/edit…](https://l.facebook.com/l.php?u=https%3A%2F%2Fdocs.google.com%2Fpresentation%2Fd%2F1rtIcctnqig1GN0t96oc7psC0vlia5cZmWpgx8YjOpKA%2Fedit%3Ffbclid%3DIwAR2fhWj8weX7MQ8BVy-7wrAPlDZ9PZt4X8umJuxlkWOlX5-b8XXOxu1f518%23slide%3Did.p&h=AT10C9Gkhi86SC7ax5J0-OUWGOJV7diun4GP9h7Dhm-_8iMEBnokAhTE99HHbxVYiQJfOyWYK2400K_DBDqhsZD5Mq4LlFqQ5n-gMXzKhQPOfw_QH_cHN1jpGRpmwGQVGx4FLAIFRoobKW77tj5b3BZz)

Game flexbox: [https://flexboxfroggy.com/#vi](https://flexboxfroggy.com/?fbclid=IwAR2o_hdvP9KkT6RtIQVllRna4RCCjzepEo1PLswu-RxTgQAeigc8Ur7QKpE#vi)

BTVN: [https://drive.google.com/…/1LzXamR2Mk0FDeaowt1DKPH98LYRO6tI…](https://drive.google.com/drive/folders/1LzXamR2Mk0FDeaowt1DKPH98LYRO6tIX?usp=sharing&fbclid=IwAR3Kz6_fYaSiahNRV_3MIqaNWmXYobL57B5IQtKMrVr5Kxm4L2mUTt0anko)

Buổi 4: Silde: [https://docs.google.com/…/1k\_y-sML2u071TuGkBAWiovNsrsx…/edit](https://l.facebook.com/l.php?u=https%3A%2F%2Fdocs.google.com%2Fpresentation%2Fd%2F1k_y-sML2u071TuGkBAWiovNsrsxTzjlw7BiphM4EeTE%2Fedit%3Ffbclid%3DIwAR2sjbWddXZZQdMl19cPk-7VO0YAcaoCeCHgIlfV3ZE3YciW6ZvUa-9EF44&h=AT2XQOeLVoR76G4OfKvNOxBYThzIM59KhG00-LQBCy80zzVY9M2GfNNi3zCMWnfN1o8Yz3OPh-IfRRfSu9-Uhaa9tcRt3dO4JUZMhqrk-XIBR1MP-b5biCf3VcQRHN_7Xx4Wv-ri-Qd0nW167mfGpCOY)

NodeJS: [https://nodejs.org/en/docs/](https://nodejs.org/en/docs/?fbclid=IwAR1d0W48qHPC3Dzr4jbqSlGpB-hmKtmyuUO51VXv69t5TlWxU9sGiKCZ_B8)  
NPM: [https://www.npmjs.com/](https://www.npmjs.com/?fbclid=IwAR3Qxv7AXAs0TfqG-7QUtpPT8OeZFU2gEotqs1qWFGLPh39LDX6zliC8i38)  
ExpressJS: [http://expressjs.com/](http://expressjs.com/?fbclid=IwAR0sNEY6i6aXFLFOu59U6f0IPJJKGMUpkWIGhOrBoU_1Z0CQ40O6lBA_4G8)

BTVN: [https://docs.google.com/…/1XocrRguyQjrJblPdMeVnUbZ4V\_…/edit…](https://docs.google.com/document/d/1XocrRguyQjrJblPdMeVnUbZ4V_mEHHMz4cdQBrx8gyM/edit?usp=sharing&fbclid=IwAR0S35kBYxAN6OtywbXGbZvDrlZj_QDBlUNtjBRGaskPvepFUUITtOEBpa4)

Buổi 5”: BVTN: mọi người về làm nốt các chức năng còn lại của con quyetde nhé, bao gồm:  
- Vào trang chủ (và trang đáp gọn) thì sẽ lấy ngẫu nhiên 1 câu hỏi đã có rồi hiện ra cho người dùng trả lời. Chú ý trường hợp ban đầu khi chưa có câu hỏi nào.  
- Về in ra câu hỏi thì có thể dùng cách tạo 1 router kiểu app.get... trên server để trả về câu hỏi đã ngẫu nhiều còn từ client dùng javascript để lấy câu hỏi về và in ra...

Link trang demo: [https://quyetde123.herokuapp.com/](https://quyetde123.herokuapp.com/?fbclid=IwAR0WOezO3QvcRsysI2UmW-vq6og6kd3yFR-wPnXdSUT0rNlmdb_RzkxZtPc)

Buổi 6 [https://docs.google.com/…/1joKli7KAJ-H01KXsRdn5szQu0R…/edit…](https://docs.google.com/presentation/d/1joKli7KAJ-H01KXsRdn5szQu0Ryye7FcsFuIwPNPBNs/edit?fbclid=IwAR0T8R0IDQq-7CJi2KJ1pZiUh87DDPJUKXpe11Fwde7G7tAxOFDZ4pJMKkI#slide=id.g3e357dea86_0_0)

BTVN hoàn thành nốt trang xem kết quả và các chức năng của các nút còn lại.

Buổi 7 BTVN là chuyển hết những phần liên quan đến xem, lưu câu hỏi từ dùng file sang dùng MongoDB nhé

Buổi 8 : [https://docs.google.com/…/1dbfurZhrvkEbG2OV7w\_Pt2LstJ…/edit…](https://docs.google.com/presentation/d/1dbfurZhrvkEbG2OV7w_Pt2LstJcGSHxUj3kjgFr4BzY/edit?fbclid=IwAR2_xSZ2nxUiVgGpCEz-01K1LJmVxvSaPwTshLeW8LHQRplFNVglMevpVIU#slide=id.g36a7a0fbe6_0_47)

Buổi 9 Ae xem hết video và làm theo bài trong video cuối của pack Boostrap + làm giao diện cho con quyết đê nhé

Buổi 10: Gửi mn đề Minihack nhé: [https://drive.google.com/…/fol…/0ByFy6Fb6p0hAX3kxSHZkLUVpbTA](https://drive.google.com/drive/folders/0ByFy6Fb6p0hAX3kxSHZkLUVpbTA?fbclid=IwAR2jdMCNuWdCO4fRyW00PCJPiAklxvy0rDkxVyQf-8XK_DQGCUcHCQGEKwc)