How to facilitate code reviews as a “less technical” coach

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Once upon a time…
Don’t FEAR
the code.
It doesn’t take a lot to get started
Becoming aware of self-limiting thoughts: how hard can it be to be curious?

Actually, not a lot. Cost is fairly low.
The day I joined the mob
Recognize
Code Reviews

Find
Opportunities

Value
Being part of it
What is a CODE REVIEW?
/**
 * Returns a set containing the names of all collections in this database.
 * @return the names of collections in this database
 * @throws MongoException
 */

public Set<String> getCollectionNames()
{

    DBCollection namespaces = getCollection("system.namespaces");
    if (namespaces == null)
        throw new RuntimeException("this is impossible");
    Iterator<DBObject> i = namespaces.find(new BasicDBObject(), null, 0, 0, 0, RequestOptions(), getReadPreference(), null);
    if (i == null)
        return new HashSet<String>();

    List<String> tables = new ArrayList<String>();
    for (; i.hasNext();)
    {
       DBObject o = i.next();
        if (o.get("name") == null)
        {
            throw new MongoException("How is name null : " + o);
        }
        String n = o.get("name").toString();
        int idx = n.indexOf(".");

        String root = n.substring(0, idx);
        if (!root.equals(_name))
            continue;
        if (n.indexOf("\$") >= 0)
            continue;
        String table = n.substring(idx + 1);
        tables.add(table);
    }

    Collections.sort(tables);
<table>
<thead>
<tr>
<th>Issue</th>
<th>Title</th>
<th>Status</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>REV-1213</td>
<td>Added script to find a big count of signatures in creatives</td>
<td>Approved</td>
<td>#526 opened 7 days ago by akazakou</td>
</tr>
</tbody>
</table>
| REV-1075 | Add amazon genres mappings | Approved | #523 opened 14 days ago by tsibahau |}
| REV-1181 | Updated inf-lib-schemas dependency up to v2.11.2 | Approved | #522 opened 14 days ago by akazakou |
| REV-830 | Remove interstitials, adbreak related code | | #517 opened 26 days ago by A1ZeJet |
| REV-1197 | Vmap vast parsing time | | #507 opened on Jul 1 by A1ZeJet |
| REV-1043 | Feature/rev 1043 cookie sync vasttaguri processing | Changes requested | #461 opened on Apr 16 by a-tsvil |
| REV-1005 | Check mediafile contents to be MP4 | Approved | #460 opened on Apr 16 by ivankolesnik |
| WIP: Feature/REV-814 | House Ads | Work in progress | #444 opened on Mar 17 by 1greywind |
| [WIP] Phoenix implementation | Blocked | | #408 opened on Dec 14, 2018 by akazakou |
| REV-790 | Calling public-api to get the clip data | | #401 opened on Dec 4, 2018 by indiraghosh |
| feature/REV-675 | Improve ad proxy responsiveness and performance | | #343 opened on Sep 14, 2018 by ivankolesnik |
```javascript
var getAdsForAdbreak = function(req, app, adbreakDoc, callback) {
    // whether creative exists, is checked in the transcoder
    // for integration tests a dummy transcoder is used
    return transcoder.transcode();
    .then(() => Promise.resolve(adWithCreativeDoc));

    .then(() => utilities.dropMongooseFromAd(adWithCreativeDoc));
    } else {
    return Promise.resolve(adWithCreativeDoc);
    return utilities.dropMongooseFromAd(adWithCreativeDoc);
```
This branch has conflicts that must be resolved
Use the command line to resolve conflicts before continuing.

Conflicting files

- npm-shrinkwrap.json
- src/lib/adhttp.js
- src/lib/adsLib.js
- src/lib/creative.js
- src/lib/geoLookup.js
- src/lib/middleware.js
- src/lib/signature.js
- src/lib/unpackedXMLStream.js
- src/lib/utilities.js
- test/unit/test_api.js
It’s DIFFERENT for everyone
Notice the different ways it shows up

- Gated reviews
- Knowledge transfer
- Soliciting early feedback
Let’s take a break.
Tools at your disposal

• Powerful questions
• Provide Safety
e.g. Refactor fearlessly
• Working agreements

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When code reviews are healthy

Code reviews are not an obligation and are instead an invitation.

Changes are enacted immediately.

More previews than reviews.

Part of regular collaborative activities like pairs and mobs.

Automation: creating static analysis rules based on bugs.

They don’t feel like a “spitting match”.

Teams develop a shared design sense.
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Salamat.

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