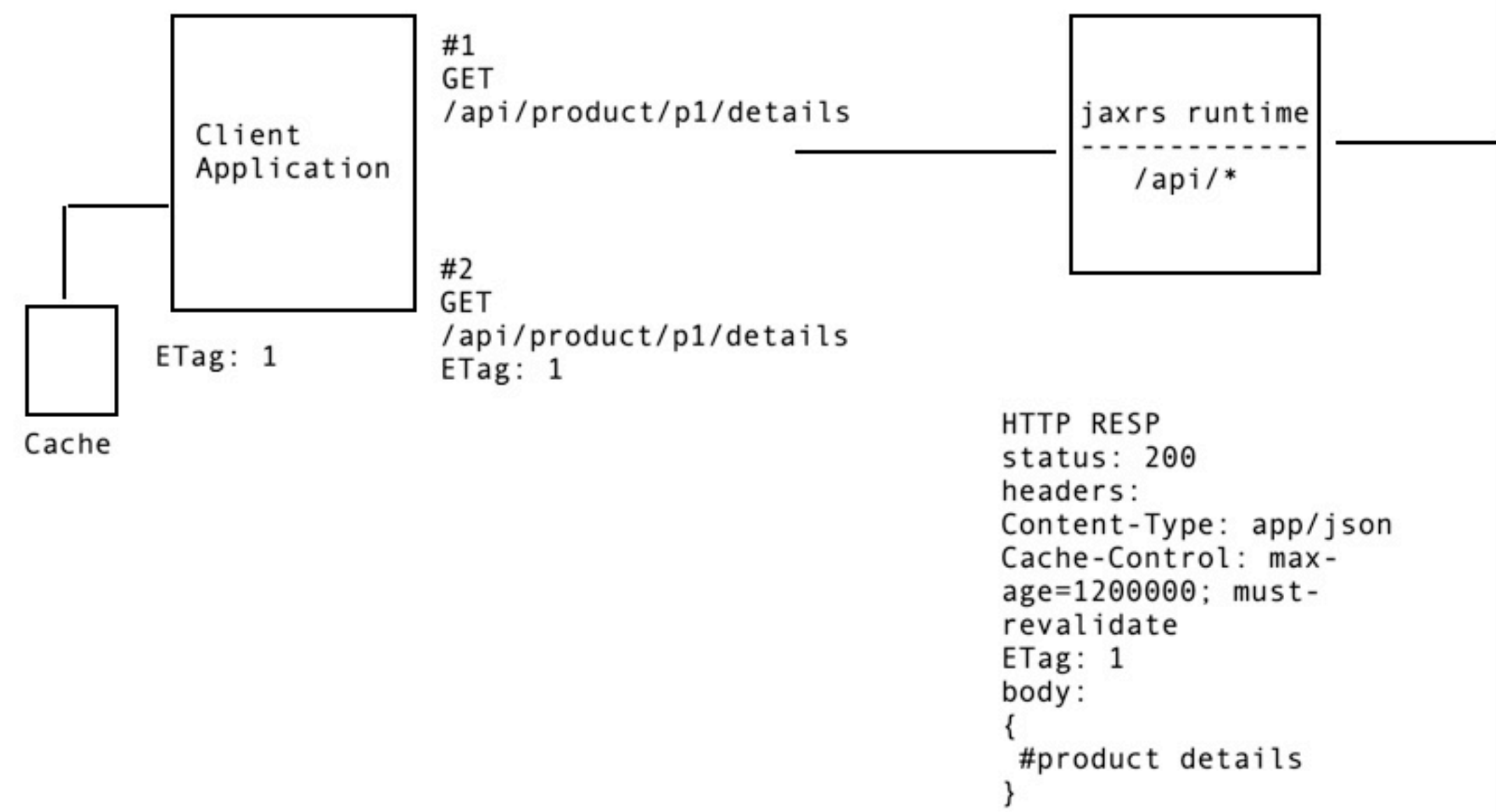


Conditional GETs

- 1. ETag header
- 2. If-Modified-Since or If-Unmodified-Since



```
@Path("/product")
public class ProductApiService {
    private Map<String, Product> productDbMap;

    @GET
    @Produces(MediaType.APPLICATION_JSON)
    @Path("/{productNo}/details")
    public Response getProductDetails(@PathParam("productNo") String productNo,
                                     @Context Request request) {

        Product product = null;
        Response response = null;
        CacheControl cacheControl = null;
        Response.ResponseBuilder responseBuilder = null;

        if (productDbMap.containsKey(productNo) == false) {
            throw new NotFoundException("Product not found");
        }
        System.out.println("fetching the product info from the database...");

        product = productDbMap.get(productNo);
        ETag eTag = new ETag(product.hashCode());
        responseBuilder = request.evaluatePreconditions(eTag);

        if(responseBuilder != null) { // both are matching
            return responseBuilder.build();
        }

        responseBuilder = Response.ok(Entity.json(product));

        cacheControl = new CacheControl();
        cacheControl.setMaxAge(1000*60*60); // 1 hour
        cacheControl.setMustRevalidate(false);
        responseBuilder.cacheControl(cacheControl);
        responseBuilder.eTag(eTag);
        response = responseBuilder.build();
        return response;
    }
}
```