In this work I will focus on the most common forms of attacks on web applications. My focus will point on so called Injection flaws (attacks where data given by user are interpreted and executed), XSS (Cross Site Scripting) and CSRF (Cross Site Request Forgery), that have for web application in case of compromisation fatal consequences. I will describe these attacks, their history, concrete examples of successful execution. I will propose also possible kinds of protection and possibilities of detection.