# Threat analysis

## CIA Analysis (What asset are to be protected)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Asset | Confidentiality | Privacy | Integrity | Availability |
| User id & Password | High | High | High | High |
| Pictures | Low | Medium | None | High |
| Change Password | High | High | High | High |
| Comments | Low | Medium | None | Medium |

**Description:** These are the four assets for our website. The passwords are highly valued because they are the means for getting onto the website and changing the content. The pictures are meant to be publicly viewable and therefore have low confidentiality and medium privacy. The availability for pictures is high. The Change Password is meant to be the private part for the users and therefore have high confidentiality, privacy, integrity and availability. The Comments are meant to be send to other users publicly and therefore it has low confidentiality, medium privacy and high availability.

## Authorization Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| Data Group | Owner | Other Members | Web Administrator |
| Username and Password | CRUD | - | CRUD |
| Pictures | CRD | R | CRUD |
| Change Password | CRU | - | CUD |
| Comments | CRD | CR | CRUD |

## 

## Note: CRUD (Create, Read, Update, Delete)

## Risk analysis

|  |  |  |  |
| --- | --- | --- | --- |
| Threat | Risk | Impact | Needed Security level Risk impact |
| Account Theft | High | High | High |
| Unauthorized View of Pictures | Medium | Medium | Medium |
| Unauthorized Change Password | High | High | High |
| Unauthorized View of Comment | Medium | High | High |