**ExemptAssessAPI**

This tool helps validate planning exemptions for sheds, patios and retaining walls based on Albury City Council regulations.

The API is callable with GET method on route "/get-assessment-help/" to return HTTP page with help tables as below:

The API is callable with POST method on route "/get-assessment-result/" to return an assessment result: API expects a JSON file containing appropriate attributes as per below structure.

The API is also callable with GET method on route "/get-logging-db/" to return a dump of logged assessment results from assessments.db: No API input is expected for this.

For **shed** assessment, json file must contain the following attributes:

|  |  |  |
| --- | --- | --- |
| **ATTRIBUTE NAME** | **DESCRIPTION** | **VALID OPTIONS** |
| Address | Adress of development |  |
| development | Type of development | shed |
| zoning | Land zoning | R1, R2, R3, R4, R5, RU1, RU2, RU3, RU4, RU6 |
| heritage | Is the property a heritage item? | yes, no |
| foreshore | Is the property in a foreshore area? | yes, no |
| sensitive\_area | Is the property in an environmentally sensitive area? | yes, no |
| area | Planned shed area (in m²): |  |
| height | Planned shed height from ground level (in meters): |  |
| boundary\_distance | Distance from any site boundary (in mm): |  |
| building\_line | Is the shed behind the building line of road frontage? | yes, no |
| shipping\_container | Is the shed a shipping container? | yes, no |
| stormwater | Will roofwater be disposed of without causing nuisance to adjoining owners? | yes, no |
| metal | Will the shed use metal components? | yes, no |
| reflective | Are metal components low-reflective or factory pre-coloured? | yes, no |
| bushfire | Is the property on bushfire prone land? | yes, no |
| distance\_dwelling | Distance from dwelling (in meters): |  |
| non\_combustible | Will the shed be constructed of non-combustible materials? | yes, no |
| adjacent\_building | Will the shed be adjacent to an existing building? | yes, no |
| interfere | Will it interfere with entry/exit or fire safety measures of adjacent building? | yes, no |
| habitable | Is the shed planned to be habitable? | yes, no |
| easement | Is the shed within 1m of a registered easement? | yes, no |
| services | Will the shed have water or sewer connections? | yes, no |
| existing\_structures | Are there already two of the following on the lot: cabanas, cubby houses, ferneries, garden sheds, gazebos, greenhouses? | yes, no |

For **patio** assessment, json file must contain the following attributes:

|  |  |  |
| --- | --- | --- |
| **ATTRIBUTE NAME** | **DESCRIPTION** | **VALID OPTIONS** |
| Address | Adress of development |  |
| Development | Type of development | patio |
| zoning | Land Zoning | R1, R2, R3, R4, R5, RU1, RU2, RU3, RU4, RU6 |
| structure\_type | New development or replacing existing structure? | new, replacement |
| height\_existing | Height of existing structure from ground level in meters |  |
| material\_quality | Will the structure use equivalent or better quality materials? | yes, no |
| same\_size | Will the structure be the same height and size as existing? | yes, no |
| heritage | Is the property a heritage item? | yes, no |
| foreshore | Is the property in a foreshore area? | yes, no |
| area | Planned area of structure (in m²): |  |
| land\_size | Land size (in m²): |  |
| total\_structures\_area | Total area of planned + existing structures [Balconies, decks, patios, pergolas, terraces and verandahs] (in m²) |  |
| wall\_height | Will any wall exceed 1.4m in height? | yes, no |
| behind\_building\_line | Is the structure behind the building line of road frontage? | yes, no |
| boundary\_distance | Distance from site boundary (in mm): |  |
| metal | Will the structure use metal components? | yes, no |
| reflective | Are metal components non-reflective or factory coloured? | yes, no |
| floor\_height | Floor height from ground level (in mm): |  |
| roof | Will the structure have a roof? | yes, no |
| overhang | Roof overhang on any side (in mm): |  |
| attached | Will the roof be attached to the dwelling? | yes, no |
| above\_gutter | Will the roof extend above the gutter line? | yes, no |
| roof\_height | Roof height above ground level (in meters): |  |
| fascia\_connection | Will the roof be connected to fascia? | yes, no |
| engineer\_spec | Will it be connected per engineers specs? | yes, no |
| stormwater | Will roofwater be disposed into existing stormwater system? | yes, no |
| drainage | Will the structure interfere with existing drainage or flow paths? | yes, no |
| bushfire | Is the property on bushfire prone land? | yes, no |
| distance\_dwelling | Distance from dwelling (in meters): |  |
| non\_combustible | Will the patio be constructed of non-combustible materials? | yes, no |

For **retaining wall** assessment attributes, json file must contain the following attributes:

|  |  |  |
| --- | --- | --- |
| **ATTRIBUTE NAME** | **DESCRIPTION** | **VALID OPTIONS** |
| Address | Adress of development |  |
| Development | Type of development | retain |
| zoning | Land Zoning | R1, R2, R3, R4, R5, RU1, RU2, RU3, RU4, RU6 |
| heritage | Is the property a heritage item? | yes, no |
| heritage\_conserv | Is the property in a heritage conservation area? | yes, no |
| foreshore | Is the property in a foreshore area? | yes, no |
| flood\_control\_lot | Is the property in a flood control are? | yes, no |
| cut\_or\_fill | Depth of cut or fill required for retaining wall (in mm): |  |
| boundary\_distance | Distance from site boundary (in mm): |  |
| rear\_yard | Is retaining wall planned to be built in rear yard? | yes, no |
| waterbody\_within\_40m | Is lot less than 40m from a natural water body? | yes, no |
| sediment\_transfer | Will planned retaining wall redirect the flow of any surface water or ground water or cause sediment to be transported onto an adjoining property? | yes, no |
| height | Planned height of retaining wall (in mm): |  |
| distance\_other | Closest distance from planned retaining wall to any other structural support (in mm): |  |
| distance\_easement | Closest distance from planned retaining wall to an easement or services main (in mm): |  |
| stormwater | Will planned retaining wall have adequate drainage lines connected into existing stormwater system? | yes, no |
| fill\_depth | Depth of fill for retaining wall (in mm): |  |
| fill\_area | Area of fill for retaining wall (in m²): |  |
| fill\_volume | Volume of fill for retaining wall (in m³): |  |
| land\_size | Land size (in m²): |  |
| imported\_fill | Will retaining wall be back filled with imported filler? | yes, no |
| venm | Is imported fill VENM (Virgin Excavated Natural Material)? | yes, no |

Example POST method .json file:

{

    "development" : "patio",

    "zoning" : "R1",

    "structure\_type" : "new",

    "height\_existing" : 0.8,

    "material\_quality" : "yes",

    "same\_size" : "yes",

    "heritage" : "no",

    "foreshore" : "no",

    "area" : 10,

    "land\_size" : 350,

    "total\_structures\_area" : 15,

    "wall\_height" : "no",

    "behind\_building\_line" : "yes",

    "boundary\_distance" : 6000,

    "metal" : "yes",

    "reflective" : "yes",

    "floor\_height" : 500,

    "roof" : "yes",

    "overhang" : 450,

    "attached" : "yes",

    "above\_gutter" : "no",

    "roof\_height" : 2.4,

    "fascia\_connection" : "yes",

    "engineer\_spec" : "yes",

    "stormwater" : "yes",

    "drainage" : "no",

    "bushfire" : "no",

    "distance\_dwelling" : 6,

    "non\_combustible" : "yes"

}